HOLSTEIN-FRIESIAN WORLD

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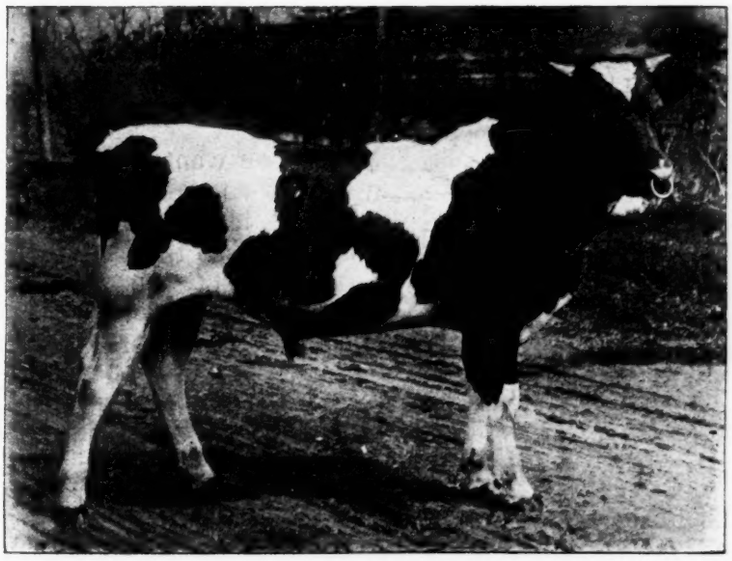

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J. G. WHITE & SON

Holstein-Friesian World.

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The Control of Bovine Tuberculosis.

BY VERANUS A. MOORE.
Professor of Comparative Pathology and Bacteriology, New York State Veterinary College, Cornell University, Ithoca, N. Y.

(Continued from last issue.)

Channels through which tuberculosis is introduced into a herd of cattle.—Although there are several ways by which tubercle bacteria may possibly be carried from an infected to a non-infected herd of cattle, there are two channels of infection that should receive special mention. These are:

First, the feeding of calves with the separated milk of tuberculous cows taken from creameries which receive the milk from such animals either consciously or otherwise. There are many illustrations of this means of dissemination of the disease. I will cite but one instance which is quite sufficient to illustrate this point. A dairyman who fed separated milk from tuberculous cows found that 84 per cent. of the calves were tuberculous.

The second and perhaps more common means of introducing the disease is the buying of **tuberculous cattle.** Prof. Russell* of Wisconsin has given us a most perfect illustration of this means of disseminating the disease. As he has carefully worked out the details relative to the extent to which tuberculosis may be disseminated in a locality free from it by the purchase of cattle, I quote his statement.

"Last October a public sale was held in one of our southern counties, in which 46 head of cattle were disposed of. The farm on which the stock was kept had been run by a tenant and this method was taken to divide up the interest of the tenant and landlord. These 46 head were purchased by twelve persons, eleven of whom lived in the immediate vicinity. The landlord wishing to retain what he thought were the most valuable animals had a friend buy in for him 18 head, while the tenant bought 3 for himself, and the remainder were disposed of in lots of one to six animals to each purchaser. The affair was a transaction which often occurs and naturally excited no especial attention.

"One of the parties who had purchased six of these animals decided in February to have his herd tested for tuberculosis, which was done by a neighbor who had had experience with the test. Another neighbor, hearing that the test was to be applied, asked if he might have his family cow tested at the same time. The results of the test showed positive reactions in the case of this single animal, and also in three out of the lot of six which had been purchased. This revelation led the original owner to investigate the condition of the herd which he had repurchased, and in this case fourteen of the original eighteen were found to be affected. Every milch cow he had in the herd showed a positive reaction.

"The matter at this stage was brought to the attention of the Live Stock Sanitary Board as showing a condition of affairs that demanded full attention. After a lapse of some weeks so as to secure normal results, retests of these herds were made under the direction of the State Veterinarian, Dr. E. D. Roberts. In addition all the herds were tested into which any animals had been introduced that were present in the original herd which was sold. The results of the various tests are shown in the following table.

Dissemination of Tuberculosis Into Various Herds by Purchase of Stock.

Herd.	Total No. animals in different herds.	No. animals from original herd.	Total No. of tuberculin reactions.	No. of tuberculin reactions. in animals purchased.
1	21	5	3	3
2	18	18	14	14
3	38	6	3	3
4	8	3	4	2
5	5	2	2	1
6	3	3	3	3
7	1	1	1	1
8	15	1	1	1
9	32	1	1	1
10	18	3	0	0
11	2	1	1	1
12	2	2	2	2

"It is evident from the above data that the originally affected herd was very badly diseased, as thirty-three

*Bulletin No. 114, Wisconsin Agr. Exp. Sta., Madison, Wis., 1904.

out of the total number of animals (55) disposed of at the sale and before responded to the tuberculin test. It must be remembered that none of these animals showed any appearance of the disease. No one even questioned their healthy appearance at the time of purchase, and the fact that the owners themselves bought back the larger portion of the herd is good evidence that they had no idea that the disease was present. Could a more forceful lesson be had of how unwittingly purchasers may thus sow the seeds of destruction in their own herds?"

Methods for the Control of Tuberculosis.

The real problem before the cattle owners the control, prevention and eradication, of tuberclosis. This resolves itself into an inquiry into the best methods to follow under two distinctly different conditions, namely, (1) when the herd is free from tuberculosis and (2) when a greater or less number of animals are already affected.

The protection of healthy herds.—The key note of modern scientific medicine is prevention. In preventing the entrance of a specific disease it is simply necessary to keep out the microbe that produces it. The all important question to consider in this connection is, how to keep it out. I have already mentioned the two most common channels through which tubercle bacteria gain entrance to a heard of uninfected cattle, namely, through the feeding of calves with the unsterilized milk from creameries and possibly the whey from cheese factories and the introduction into the herd of a tuberculous animal or animals. The prevention by cutting off these channels of infection is not difficult nor expensive compared with the elimination of the disease if introduced or the loss it will occasion if allowed to remain.

To guard against the first it is necessary to sterilize the milk fed to calves unless it is known that the animals from which it came are free from this disease.

To eliminate the second danger, it is necessary to have the animals carefully examined and tested with tuberculin before bringing them into the herd. The tuberculin shou'd be applied by a person competent to interpet the results of the test and to see that all of the conditions necessary for it are complied with.

Tuberclin.—Tuberculin is the concentrated liquid, usually glycerinated bouillon, on which the tubercle bacteria have grown until the products resulting from their multiplication have become imparted to the medium in sufficient quantity to inhibit their further developement. It is not definitely determined just what these are or just how they are elaborated.

In the preparation of tuberculin the saturated cultures are heated to destroy the tubercle bacteria, filtered through the Pasteur or the Berkefeld filter to remove all the bacteria, and the filtrate condensed over a water bath. To the properly concentrated fluid a little carbolic acid is added to preserve it. It is evident, therefore, that tuberculin cannot produce tuberculosis, as the tubercle bacteria have been first killed and then removed by filtration. It has never been known to produce any bad effect upon either tubercular cattle or healthy ones. It is the most accurate test for the detection of disease that is known to medical science.

Application of tuberculin.—In applying tuberculin it is important to observe the following:

1. The normal temperature of the animal to be tested must be determined. It is recomemnded that it be taken hourly or every two hours for the day preceding the test. In practice veterinarians usually take the temperature but once or twice before injecting the tuberculin.

2. The tuberculin is injected subcutaneously in the side of the neck. Care should be taken that the syringe is sterile and the site of injection should be disinfected. The size of the dose depends upon the preparation of the tuberculin, that is, the degree of its concentration.

3. Beginning six or eight hours after injection the temperature should be taken hourly, or at least every two hours, for fully three-fourths of a day.

4. During the time of testing the cattle should be kept quiet and free from all exposure and fed normally.

5. In case of reaction there should be a rise of at least 1.5 degree F. above the normal individual temperature as determined on the preceding day. In order to avoid error several initial temperatures should be taken. In practice, veterinarians usually take only a single temperature to determine that the cow is not suffering from a fever, due perhaps to other causes. The reaction in such cases is determined by the temperature curve This procedure is liable to give erroneous results. The elevation of temperature should come on gradually, remaining practically at its maximum for a few hours, and gradually subside. Erratic elevations of short duration are to be excluded. In cases of doubt the animal should be retested. Some weeks later.

6. Animals advanced in pregnancy and those known to be suffering from any disease should be excluded. All methods of treatment, including exposure to cold or kind of food or drink which would tend to modify the temperature should be avoided. Animals in which tuberculosis is far advanced are said sometimes to fail to react.

7. The dose of tuberculin should vary to correspond to the weight of the animal. The dose for an adult cow of average weight is 0.25 c c. of the concentrated Koch tuberculin. This should be diluted to 2 c.c. with a weak (1 per cent.) solution of carbolic acid before injecting. The tuberculin prepared at the New York State Veterinary Colllege is ready to inject when it is sent out. In cases where a second test is made within a few days the quantity of tuberculin injected should be larger than for the first test.

The interpretation of the reaction.—The interpretation of the temperature record requires care. If, however, all conditions pertaining to the protection of the animal have been fulfilled, the temperature curve mentioned is a very sure indication that the animal is suffering from an active, although it may be a very small, tubercular growth. If there is no reaction the correct interpretation is more difficult. In this case there are three conditions which must be taken into account, namely: (1) If the animal is extensively diseased it may not react. In this case the physical condition would show that the animal was at least not healthy. (2) If the test was made during the period of incubation there would be no reaction although the disease may soon develop. To overcome this danger a subsequent test should be made in from three to six months. (3) It is known that cows which have reacted may, because of the arrest of the disease, fail to react subsequently but later the disease would start up again, when the animal would react. We have records of several cases of this kind Great care must be exercised, therefore, in the interpretation of negative results, especially in tests made in herds where tuberculosis exists, and where it is possible that the animals failing to react have been infected.

If the animal comes from a herd in which the disease is prevalent or

exists at all, the fact should be kept in mind that possibly infection has taken place but the animal is still in the period of incubation when a reaction would not occur. It is also necessary to consider the possibility that the animal is recovering from a slight attack which may not be complete and which at a later time may develop into a serious form. All such animals should be kept apart from the healthy herd until the result of a second test some months later is obtained.

The purchase of cattle at public auctions without a satisfactory guarantee that they are free from tuberculosis is a mast dangerous thing to do. The absolute protection of the sound herds is of the highest importance in the control of the disease. Animals from such herds should be and already they are recognized as possessing a value much in excess of those from infected dairies.

The vaccination method.—Since the discovery of **tuberculin** there has been an almost continuous series of investigations directed toward the production of ommunity in cattle against tuberculosis. Experiments have been made with tuberculin, with the new tuberculin of Koch, with serums of various kinds, and with dead tubercle bacteria. The most eneregetic efforts have been made in the production of a vaccine, consisting of attenuated tubercle bacteria from cattle, or man, or of the avian variety. Space will not permit of a discussion of the experimental work but suffice it to say the results thus far are not very satisfactory.*

Pearson has succeeded in immunizing cattle against tuberculosis, but as yet the method is not practicable, although he feels that it may become so.

The bovovaccine of van Behring is still in the experimental stage. In this country there have been several unfortunate experiences with it. There are, however, a few reports of satisfactory results. The method proposes to immunize cattle for several years at least and consequently reports that cover experiments of only a few months' duration or a year at the most, do not cary conviction as to the efficiency of the method.

Von Behring* has recently spoken encouragingly of bovovaccine or the Jennerization method and also the new product known as **tulose** which he has obtained from tubercle bacteria. With this he has succeeded in immunizing against living tubercle organisms. This method is known as Mithridatization. He also feels that a passive immunity may be obtained by the use of serums.

While we hope that the experiments will prove successful and great assistance will come from vaccination in the fight against tuberculosis, we cannot look to it for assistance in our immediate needs. The biological principles underlying the processes of immunity are too complicated for a discussion of this kind. As vaccinations have for their purpose the immunization of healthy animals, it seems more logical to prtect the herds against infection, and thereby avoid any necessity for increased resistance. The value of the vaccination method if successful lies in the immunization of the calves in tuberculous herds, thereby making it possible to build up a sound herd from tuberculous stock. At present, however, it does not appear to be safe to recommend any method of immunization of cattle against tuberculosis **except as an experiment.**

The handling of a tuberculous herd.—Where the cattle are free from tuberculosis, the method of prevention is simple and inexpensive. But where the disease already exists in a dairy, to a greater or less extent, the problem is far more trying. The fact that animals may be infected and appear to be perfectly sound for a very considerable time; that diseased animals sooner or later become a source of expense and loss rather than profit; the danger of spreading the infection to calves, swine and possibly children by the use of infected milk; the loss of valuable strains of animals and the stigma of having a diseased herd; are among the topics to be considered. It is clear that a dairyman cannot afford to have tuberculous cattle, and it is a fact that many of them possess such herds. The question therefore is, how can a man who has a tuberculous herd eliminate the disease with the least loss? Two methods have been proposed and tried, namely, the immediate eradication by slaughter of all diseased animals and secondly the application of the Bang method.

To be continued.

*For a full discussion on immunization against tuberculosis see an article on "Immeunization of Animals against Tuberculosis" by Dr. Leonard Pearson, **Second Annual Report of the Henry Phipps Institute for the Study, Treatment and Prevention of Tuberculosis, Philadelphia, 1905.**

*British Medical Journal Sept. 8, 1906, p. 577.

June Meeting of the New England H.-F. Club.

June 27th, 1907.

Editor H.-F. World:

The New England Holstein-Friesian Club held a meeting yesterday at the Medfield Insane Asylum, Medfield, Mass. About one hundred members were present. Mr. T. A. Mitchell of Weedsport, New York, was there and made some remarks very complimentary to Mr. F. L. Houghton, the secretary of the National Association, who was unable to be present.

In the absence of its president, Gen. C. W. Wood, the meeting was called to order by Mr. C. W. Wolcott, who presided as well as he performs his duties as secretary. We listened to an interesting acccount (by the judge who gave her the first blue ribbon) of how, many years ago, Mr. Dutcher refused to take ten thousand dollars for DeKol 2nd, and of all that wonderful cow had done for the breed brought her offspring.

Mr. Mayo from Maine told us about the great good done to the dairy industry of his state by the Black and White cattle they had brought in from Massachusetts. The writer congrtultes the club on the prospect of repealing this coming winter the absurd milk standard law, and urged continual working for that purpose; also mentioned the beginning of the end of the equally absurd unscientific tuberculin testing, due to nothing but the increase of our knowledge of the proper method of treating tuberculosis, and the gradual dawning on the mind of the farmer that he suffers from a great injustice in this matter shown by the simple fact, that the amount of money paid to veterinarians to condemn cattle in this state far exceeeded the amount of compensation given the farmers for the catle so condemned. Afterwards the meeting repaired to the cattle barns and inspected with pleasure the fine herd of over 175 grade and thoroughbred Holsteins. The club then adjourned to meet again at the Franconia in New Hampshire.

Yours truly,

JOHN B. MARCOU.

Sale of the Wickwire Herd.

H. H. Wickwire of Hubbardsville, N. Y., recently sold to W. B. Barney & Co., of Hampton, Iowa, his noted herd of Holstein-Friesians. Messrs. Barney & Co. are very fortunate in securing these as they are considered the finest herd ever shipped into

the west. Although a small herd they have made themselves noted in a short time by their great official milk and butter productions, many of them having large official records. All of them were tuberculine tested and none responded. In this herd will be found Jessie Inka Pledge, who has an official record of 18 lbs., 5 oz. of butter, 520 lbs. of milk in seven days at the age of 2 years, 2 months. She still holds the world's official milk record for her age. She is the granddaughter of Iuka Princess Pietertje Pledge, who is the grand sire of Prilly's three best daughters. This herd also contains the noted Phoebe Veeman family. Phoebe Veeman at the age of six yrs. made an official record of 23 lbs. 4 oz. butter, 570 lbs. of milk in seven days at the age of nine years. She has six daughters and one son, four of her daughters have large official records. She has ten granddaughters and four great-granddaughters. Surely she is a great cow. Her dam is a sister of the dam of Jessie Veeman A. Her sire is a brother of Jessie Veeman A., who has an official record of 26 lbs. of butter in seven days. Every animal in this herd was raised by Mr. Wickwire and all but two were bred by him. He still owns three granddaughters of Phoebe Veeman and her only son (sired by Beryl Wayne DeKol Paul, a son of Beryl Wayne, official record of 27 lbs. 14 oz. of butter in seven days), with which he will start another herd. He also sold to Mr. I. H. Curtis of Wyocena, Wisconsin a yearling bull, Coin Hengerveld Imoque, a son of Coin Hengerveld DeKol, a granddaughter of the great Pietertje Hengerveld Count DeKol. She has an official record at less than 2 yrs. of age of nearly 13 lbs. of butter. Mr. Curtis writes, he is very much pleased with the bull.

Japs Here for Cattle.

A. Nicki, K. Tsuboucki and S. Takashuma, representatives from the Japanese government, arrived at the Yates last evening [July 2d], coming to Syracuse for the purpose of purchasing cattle for the Japanese Agricultural Experimental society. The three men came to Syracuse from Canada, where they have been for several weeks buying cattle to ship to Japan. While in Canada they were notified by their government to purchase cattle of the Holstein-Friesian breed and because of the fact that the first Holstein-Friesian cattle to be imported by Japan came from the herd of Wing R. Smith of this city, they came immediately to Syracuse. They are today consulting with Mr. Smith, who is treasurer of the Holstein-Friesian Association of America.

S. Takashuma, who is the spokesman of the three, when asked why his government had sent to America for cattle, said that it was the desire of the Japanese Agricultural Experimental society to better the present breed of cattle in that country. For this purpose it is planned to send cattle from Canada and from this city.

Mr. Takashuma would say nothing in regard to the attitude of the Japanese government towards the present agitation in San Francisco, other than that it was too bad that a few fanatics should arouse an international discussion.—Syracuse Herald.

Editor Brown,

Dear Mr. Brown:

We must congratulate you on the very full and complete report of the annual meeting and sale, that was published in your last issue. This number of your valued publication, we regard as the best that has yet appeared; and as a model specimen of Holstein journalism, we don't see how it could well be surpassed.

With kindest regards, we beg to remain

Very truly yours,

THE STEVENS BROS.-
HASTINGS CO.

Field Notes.

Agriculture is to be taught in six high schools of Ontario Canada, the coming year, namely: Collingwood Galt, Essex, Lindsay Perth and Morrisburg.

The Pacific Dairy Review says that Dairying in Los Angeles county, Cal., is rapidly declining, 1,500 dairy cows having been moved to the Imperial and San Joaquin valleys. The reason offered is the high price of feed and rapid increase in land values.

We are in receipt of a copy of the report of the American Berkshire Congress which was held at Springfield, Ill., Feb. 20-21. The report will be mailed free on application. Address, Chas. F. Mills, Springfield, Ill. The next congress is to be held at Nashville, Tenn., Feb. 26-27, 1908.

The official report published in this paper contains two additional 80 lb. records. They are as follows: Hanna DeKol, owned by F. R. Hazard, Solvay, N. Y. 80.284 lbs. fat from 2,378.8 lbs. milk, and Anzaletta Pauline Paul 2d, owned by S. A. Robinson, Covesville, Va., 81.147 lbs. fat from 2,641.4 lbs. milk, each in thirty days.

In its report of the Frank H. Burke sale of H.-F. Cattle near San Jose, Cal., The Pacific Dairy Review says it "was an all around disappointment.' The attendance was small and the prices smaller. Ten males averaged $25.00, and 55 females, $40.50. The Review adds: "Although the average condition of the animals was poor and there was plainly some question on the part of those who attended the sale as would-be buyers as to the identity of the animals offered which made them hesitate to bid, there were a number of fine animals and several buyers secured bargains."

Breeders' Bulletin Board.

Lakeside Stock Farm. Bulls Bred in Butter Lines.

Much has been said and written recently about bulls of high breeding. The Lakeside Herd contains several which in this respect are seldom surpassed. Lilith Pauline DeKol's Korndyke, a son of Korndyke DeKol Burke, No. 37001 and Neta Paul DeKol 2d, No. 66916, a daughter of Lilith Pauline DeKol Count and granddaughter of DeKol 2nd's Netherland, has in his pedigree twenty dams whose butter records average over 20½ lbs. in seven days, although his dam was but three years, with 21.44 lbs. to her credit.

Eva DeKol Burke's Korndyke is also rarely bred. He is by the same sire and his dame, Eva DeKol Burke, No. 74101, a daughter of DeKol Burke and her dam by DeKol 2d's Butter Boy 2d. His pedigree shows 13 dams which average about 25 lbs. His dam at three years made 22.48 lbs.; Gr. dam, 21.40 lbs.

Pontiac Mutual DeKol; sire, Pontiac Aesu a DeKol by Hengerveld DeKol and dam Pontiac Aesula, sister to Pontiac Rag Apple by Pontiac Korndyke. Dam, Pauline DeKol Mutual Friend by DeKol 2d's Mutual Paul. Gr. dam by DeKol 2d's Netherland. Dam at three years. Gr. dam Gr. Gr. dam and Gr. Gr. Gr. dam have A. R. O. records which average over 24 lbs. The lines of breeding in this pedigree are worthy of special notice. Hengerveld DeKol, Pontiac Korndyke DeKol 2d Mutual Paul, DeKo. 2d Netherland, etc.

One youngster whose dam at two years and Gr. dam at four years have A. R. O. records averaging over 22½ lbs. which added to his other near dams makes fifteen in the first five generations which have A. R. O. recordsn which average 25.44 lbs. in seven days. This fellow carries one of the richest pedigrees of the breed.

Barring accidents this rare pedigree will probably be still farther improved by increasing the records of his young dam and Gr. dam.

The individuality of these youngsters correspond with their rich breeding.

Respectfully,

E. A. POWELL.

Summary of Official Records of Holstein-Friesian Cows From May 16th to May 23d, 1907.

Unless otherwise mentioned these records are for a period of seven consecutive days. They are made under the careful supervision of State Agl. Colleges and Experiment Stations, and their accuracy is vouched for by them; no private records are reported by the Holstein-Friesian Association.

During the period from May 16th to May 23rd, 1907, records for 91 cows have been accepted. All made seven-day records, one a thirteen-day, two made fourteen-day, one a sixteen-day, one a twenty-four day, and nine made thirty-day records. The averages by ages for the seven-day records were as follows:

Twenty-three full aged cows averaged: age, 6 years, 11 months, 20 days; from calving, 20; milk, 456.0 lbs.; per cent. fat, 3.32; fat, 15,131 lbs. Four senior four-year-olds average.: age, 4 years, 7 months, 9 days; days from calving, 20; milk, 516.5 lbs.; per cent. fat, 3.32; fat, 17.155 lbs. Eight junior four-year-olds averaged: age, 4 years, 3 months, 18 days; days from calving, 35; milk, 452.4 lbs.; per cent. fat, 3.25; fat, 14.694 lbs. Five senior three-year-olds averaged: age, 3 years, 8 months, 15 days; days from calving, 24; milk, 396.5 lbs.; per cent. fat, 3.18; fat, 12.608 lbs. Eleven junior three-year-olds averaged: age, 3 years, 2 months, 27 days; days from calving, 34; milk, 416.5 lbs.; per cent fat, 3.32; fat, 13.840 lbs Twelve senior two-year-olds averaged: age, 2 years, 8 months, 22 days; days from calving, 21; milk, 340.3 lbs.; per cent. fat, 3.29; fat, 11.215 lbs. Twenty-eight junior two-year-olds averaged: age, 2 years, 1 month, 5 days; days from calving, 22; milk, 299.0 lbs.; per cent. fat, 3.20; fat, 9.687 lbs.

This herd of 91 animals, of which but 23 were full aged cows, produced in seven consecutive days, 35,192.5 lbs. milk containing 1,155.284 lbs. of butter-fat, thus showing an average of 3.28 per cent. fat. The average yield for each animal was 386.7 lbs. milk containing 12,695 lbs. of butter-fat; equivalent to 55.2 lbs. or 27 quarts of milk per day, and 14.8 lbs. of the best of commercial butter per week.

The last issue of the Official Reports closed the 18th Vol. of the Advanced Register. During the official year covered by that volume, 1,725 H.-F. cows and heifers were officially tested for periods of not less than seven days, producing during the seven consecutive days 659.840.6 lbs. of milk containing 22,629.929 lbs. of butter-fat; thus showing an average of 3.429+ per cent. fat. The average production for each animal was 382.5 lbs. milk containing 13.119 lbs. of butter-fat; equivalent to nearly 27 quarts of milk per day, and 15¼ lbs. of the best of commercial butter per week. Such averages are simply wonderful, and only Holstein-Friesians could make them. The average increase production of all these animals tested, over the averages for those so tested the urevious year, was nearly six pounds of milk and .37 of a pound of butter-fat.

There are no specially large records to mention in this issue of the Official Reports. Hannah De Kol, whose seven-day record of 20.036 lbs. of fat from 591.6 lbs. milk has been previously reported, makes a thirty-day record of 80.284 lbs. of fat from 2,378.8 lbs. milk; and Anzaletta Pauline Paul 2nd, 19.711 lbs. of fat from 637.5 lbs. milk in 7 days and 81.147 lbs. fat from 2,641.4 lbs. milk in 30 days, nearly equals the seven-day record while exceeding the thirty-day record. These two cows add two more to the number of 80-lb cows in the 30-Day Division.

Poupet, whose record of 81.523 lbs. of fat from 575.9 lbs. milk has been previously reported leads the Senior Four-year Class with a fourteen-day record of 35.257 lbs. fat from 1,112.8 lbs. milk, and Idyl Paul, 17.034 lbs. fat from 499.4 lbs. milk, stands second; while Johanna Queen Mechthilde, 18.632 lbs. fat from 545.9 lbs. milk, is far in the lead among the junior four-year-olds. Helen Keller with 14.587 lbs. of fat, and Pledge Hengeveld De Kol with 14.394 lbs., are first among the senior three-year-olds.

Tidy Pauline De Kol 2nd, with the fine record of 18.345 lbs. fat from 523.6 lbs. milk, stands at the head of the Junior Three-year Class; with Pontiac Clothilde DeKol 2nd, 17.68 lbs. fat from 516.7 lbs. milk in 7 days and 70.053 lbs. fat from 2,133.8 lbs. milk in 30 days and Inka Plum De Kol, 16.19 lbs. fat from 489.5 lbs. milk in 7 days and 67.401 lbs. fat from 2,092.4 lbs. milk in 30 days, as second and third. Edith Prescott Wayne, 17.052 lbs. fat from 495.3 lbs. milk, stands by herself among the senior two-year-olds.

Nellie Woodcrest, in the Junior Two-year Class, makes a fine record of 13.230 lbs. fat from 361.8 lbs. milk; while Mutual Ormsby DeKol 2nd, 12.328 lbs. fat from 349 lbs. milk in 7 days and 49.817 lbs. fat from 1,427.1 lbs. milk in 30 days, with Manor De Kol Kate 2nd, 12.13 lbs. fat from 437.2 lbs. milk, gain honorable mention, and show themselves as very promising heifers.

The Superintendent has a limited number of the Official Reports and Prize-List pamphlet—which was distributed at the Annual Meeting—yet on hand, and will be glad to mail the same to such breeders as desire it and will apply for it by postal card. As the supply is limited, breeders are requested to ask for but one copy, and to apply for the same without delay. As long as the supply lasts these pamphlets will be mailed to any H.-F. breeder asking for it, whether the breeder is a member of the Association or not.

MALCOLM H. GARDNER.
Supt. A. R.

* * * * * * * * * * * * * * * *

Manlius, N. Y., June 18, 1907.

Please discontinue my ad for a while as I am getting more letters than I can answer.

C. F. HUNT.

* * * * * * * * * * * * * * * *

Nuggets.

Sloth—the tendency to sidestep work.

♣ ♣

Ninevah was destroyed; Tyre, punctured.

♣ ♣

Silent comendation and outspoken complaint is the general rule.

♣ ♣

Don't be a billboard—a great display with nothing back of it.

♣ ♣

One should engage in the business he likes, or learn to like the business he engages in.

♣ ♣

The injunction to "embrace our opportunities" doesc not justify "hugging a delusion."

♣ ♣

If the righteousness of unbelief is "filthy rags," the devilment of fanaticism must be "cloth of gold."

♣ ♣

The word Pullman, as applied to Pullman cars is said to be derived from the American word "Pull" meaning "political prestige."

HOLSTEIN-FRIESIAN WORLD

A Journal for the Holstein Breeder, the Dairyman and the General Farmer.
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DAIRY INDUSTRY.
H. A. HOPPER, B. S. A....Univ. or Illinois
THE STUDY TABLE.
SOLOMON HOXIE.....Ithaca, N. Y.
INFECTIOUS DISEASES OF CATTLE.
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STAFF OF REGULAR CONTRIBUTORS.
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If photographs are sent—cuts will be charged for at cost price.

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C. G. BROWN.

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Editorials.

The List of 20-lb. Cows

Below is a list of 20-lb. cows arranged in the order of merit and brought down to date. The list contains the names of 114 animals. At the beginning of the official year, which closed with May 15th last, there were 76 20-lb. cows listed. Eight of these increased their records during 1906-7 and 38 new names were added.

Aaggie Cornucopia Pauline no longer heads the list this place having been taken by Colantha 4th's Johanna with a record of 28.176 lbs. of butter fat in seven days. Though not at the head of the list Aaggie Cornucopia Pauline still holds the record for her age.

In the list below the age of the cow at the beginning of her lactation period, pounds of milk, pounds of fat and owner of cow at the time the record was made, are given. The percentage of fat may be obtained by dividing the pounds of fat by the pounds of milk as given in the table. It should be borne in mind that a very large list might be compiled that have failed to be entered here by only a small fraction of a pound.

We very much doubt if all the other dairy breeds taken together can furnish a list of 114 officially tested cows that will form a comparison with this one. We call for a show down.

lbs.

1. Colantha 4th's Johanna—
   8y. 1m. 19d.; m. 651.7
   lbs., fat 28.176
   W. J. Gillett, Rosendale, Wis.
2. Aaggie Cornucopia Pauline—
   4y. 11m. 4d.; m. 659.2
   lbs., fat 27.459
   H. D. Roe, Augusta, N. J.
3. Segis Aaggie DeKol Beets—
   8y. 9m. 2d; m. 607.2
   lbs., fat 25.645
   H. A. Moyer, Syracuse, N. Y.
4. Pietje 22d—
   7y. 7m. 18d.; m. 673.9
   lbs., fat 25,295
   J. W. Dimick, Rifton, N. Y.
5. Pontiac Rag Apple—
   4y. 8m. 13d.; m. 619.5
   lbs., fat 25.294
   F. H. Dollar, Heuvelton, N. Y.
6. Jessie Maida—
   8y. 9m. 11d.; m. 664.7
   lbs., fat 24.811
   W. A. Matteson, Utica, N. Y.
7. Sadie Vale Concordia—
   10y. 2m. 24d.; m. 694.3
   lbs., fat 24.508
   McAdam & VonHeine, Deanboro, N. Y.
8. Ybma 3d's Pledge Clothilde—
   7y. 6m. 8d.; m. 643.9
   lbs., fat 24.302
   E. H. Knapp & Son, Fabins, N. Y.
9. Aaggie Topsy De Kol—
   5y. 10. 27d.; m. 545.8
   lbs., fat 23.659
   Stevens Bros.-Hastings Co., Liverpool, N. Y.
10. Vander Lei Superb 2d—
    11y. 2m. 15d.; m. 669.8
    lbs., fat 23.625
    D. W. Field, Montello, Mass.
11. Blanche Lyons De Kol—
    5y. 1m. 4d.; m. 654.8
    lbs., fat 23.566
    H. A. Moyer, Syracuse, N. Y.
12. Duchess Piebe De Kol—
    7y. 4m. 29d.; m. 648.5
    lbs., fat 23.520
    W. A. Matteson, Utica, N. Y.
13. Mercedes Julip's Pietertje—
    6y. 22d.; m. 584 lbs., fat 23.487
    T. S. Tompkins, White Bear Lake, Minn.
14. May Hartog Pauline De Kol—
    4y. 11m. 8d.; m. 633.2
    lbs., fat 23.417
    H. D. Roe, Augusta, N. J.
15. Changeling—
    8y. 6m. 12d.; m. 663.9
    lbs., fat 23.388
    North Mich. Asylum, Traverse City, Mich.
16. Grace Fayne 2d's Homestead—
    4y. 0m. 13d.; m. 566.3
    lbs., fat 23.329
    H. A. Moyer, Syracuse, N. Y.
17. Alcertra Polkadot—
    6y. 11m. 13d.; m. 597.1
    lbs., fat 23.268
    Pierce Land & Stock Co., San Francisco, Cal.
18. A. & G. Inka McKinley—
    6y. 5m. 13d.; m. 612.6
    lbs., fat 22.880
    H. A. Moyer, Syracuse, N. Y.
19. Pontiac Calypso—
    5y. 2m. 24d.; m. 560.3
    lbs. fat 22.743
    Stevens Bros.-H. Co., Liverpool, N. Y.
20. Pontiac Lundy Hengerveld—
    5y. 4d.; m. 559.8 lbs.
    fat 22.730
    Stevens Bros.-H. Co., Liverpool, N. Y.
21. Tidy Abekeok De Kol—
    8y. 4m. 15d.; m. 620.6
    lbs., fat 22.678
    D. W. Field, Montello, Mass.
22. Abby Hartog Clothilde—
    5y. 2m. 1d.; m. 518.4
    lbs., fat 22.663
    A. A. Hartshorn, Hamilton, N. Y.
23. Daisy Sindt Mechthilde—
    7y. 1m. 24d.; m. 590.7
    lbs., fat 22.631
    L. G. Green, Sandy Creek, N. Y.
24. Lilith Pauline De Kol—
    4y. 3m. 12d.; m. 653.4
    lbs., fat 22.589
    H. D. Roe, Augusta, N. J.
25. De Kol Creamelle—
    6y. 2m. 10d.; m. 654.3
    lbs., fat 22.505
    D. W. Field, Montello, Mass.
26. Segis Inka—
    9y. 5m. 16d.; m. 578.2
    lbs., fat 22.430
    Averill & Gregory, Syracuse, N. Y.
27. Beryl Wayne—
    8y. 10m. 12d.; m. 608.1
    lbs., fat 22.298
    H. D. Roe, Augusta, N. J.
28. Ianthe Jewel Mechthilde—
    6y. 1m. 27d.; m. 503 lbs.,
    fat 22.117
    James Rettie, Ont., Canada.
29. Aaggie Tehee De Kol—
    6y. 9m. 13d.; m. 545.1
    lbs., fat 22.114
    J. W. Dimick, Rifton, N. Y.
30. Susie Hengerveld De Kol—
    6y. 29d.; m. 432 lbs.,
    fat 22.095
    E. C. Brill, Broadway, N. J.
31. Copia Hengerveld 3d—
    3y. 7m. 21d.; m. 527.4
    lbs., fat 22.012
    Henry Stevens & Son, Lacona, N. Y.
32. Cleopatra Gelsche—
    5y. 2m. 29d.; m. 624.7
    lbs., fat 21,953
    H. A. Moyer, Syracuse, N. Y.
33. Aaggie Tehee 3d's Pauline—
    4y. 11m. 20d.; m. 571.1
    lbs., fat 21.892
    A. W. Brown, Unadilla Forks, N. Y.
34. Leita Pietertje—
    7y. 8m. 11d.; m. 577.4
    lbs., fat 21.851
    Geo. T. McNeil, Theresa, N. Y.
35. Tidy Abbekirk—
    8y. 8m. 16d.; m. 551 lbs.,
    fat 21.832
    H. Bollert, Cassel, Ont.

36. Alta Posch—
2y. 11m. 28d.; m. 586.2 lbs., fat 21.661
James Rettie, Norwich, Ont.

37. Pontiac Pauline Mahmoet—
8y. 7m. 10d.; m. 560.6 lbs., fat 21.650
Eastern Mich. Asylum, Pontiac, Mich.

38. Isabella Clothilde Walker—
4y. 3m. 11d.; m. 564 lbs., fat 21.524
H. A. Moyer, Syracuse, N. Y.

39. Beauty Pietertje—
5y. 4m. 1d.; m. 588.3 lbs., fat 21.520
A. A. Hartshorn, Hamilton, N. Y.

40. Winnie Wartena Netherland—
10y. 7m. 7d.; m. 535.7 lbs., fat 21.419
Reddelein Bros., North Lake, Wis.

41. Romeo Aaggie Acme—
7y. 13d.; m. 431.9 lbs., fat 21.360
Pierce Land & Stock Co., Stockton, Cal.

42. Netherland Hengerveld—
7y. 11m. 10d.; m. 544.9 lbs., fat 21.333
Henry Stevens & Sons, Lacona, N. Y.

43. Fay Hengerveld De Kol—
5y. 5m.; m. 527.6 lbs., fat 21.317
H. A. Moyer, Syracuse, N. Y.

44. White Daisy Pietertje—
10y. 7m. 17d.; m. 576.6 lbs., fat 21.311
E. A. Powell, Syracuse, N. Y.

45. DeKol 2d—
10y. 11m. 3d.; m. 536.8 lbs. fat.....21.261
H. Stvens & Sons Lacona, N. Y.

46. Johanna Colantha—
8y. 4m. 22d.; m. 465.3 lbs., fat.....21.185
W. J. Gillett, Rosendale, Wis.

47. Betta Lyons Netherland—
3y. 7m. 29d.; m. 599.9 lbs., fat.....21.096
H. A. Moyer, Syracuse N. Y.

48. Mercena 2d—
4y. 3m. 14d.; m. 554.2 lbs., fat.....21.078
Jas. Rettie, Norwich, Ont.

49. Pontiac Carlotta—
5y. 2m. 26d.; m. 486.9 lbs., fat 21.073
Eastern Mich. Asylum, Pontiac, Mich.

50. Zozo DeKol—
7y. 3m. 28d.; m. 447.1 lb., fat.....21.045
S. J. Tilden, New Lebanon, N. Y.

51. Homestead Girl DeKol—
5y. 10m. 13d.; m. 533.6 lb., fat.....21.037
H. D. Roe, Augusta, N. J.

52. Canary's Mercedes' Brightest—
8y. 2m. 29d.; m. 519. lbs., fat.....21.036
W. A. Matteson, Utica, N. Y.

53. Pontiac Triumph—
6y. 1m. 16d.; m. 456.5 lbs., fat.....21.018
Eatern Mich. Asylum, Pontiac, Mich.

54. Jesse Veeman A—
8y. 7m. 3d.; m. 584.9 lbs., fat 20.999
W. W. Brown, Lyn, Ont.

55. Frenesta Hengerveld De Kol—
5y. 2m. 4d.; m. 554.6 lbs., fat.....20.972
Wing R. Smith, Syracuse N. Y.

56. Rachel Schillaard Clothilde—
5y. 3m. 4d.; m. 577.5 lb., fat.....20.915
G. H. Manhard, Manhard, Ont.

57. A. & G. Burke Segis Inka—
3y. 11m. 7d.; m. 519.5 lbs., fat 20.902
H. A. Moyer, Syracuse, N. Y.

58. Shadybrook Gerben—
11y. 10m. 14d.; m. 552.2 lbs., fat 20.889
World's Fair H.-F. Assn., St. Louis, Mo.

59. Faforit Thitomia—
7y. 11m. 26d.; m. 550.2 lbs., fat 20.845
H. A. Moyer, Syracuse, N. Y.

60. Inka Sylvia DeKol—
7y. 5m. 1d.; m. 605.8 lbs., fat 20.837
G. A. Gilroy, Glen Buell Ont.

61. Minnie Hark—
4y. 11m. 21d.; m. 523.9 lbs., fat 20.826
F. F. Field, Montello, Mass.

62. Katy Spofford Corona—
3y. 1m. 6d.; m. 590.7 lbs., fat 20.822
E. H. Knapp, Fabius, N. Y.

63. Princess Leo Netherland—
7y. 1m. 12d.; m. 612.7 lbs., fat 20.818
O. J. Godfrey, Pennellville, N. Y.

64. Cadilac Queen—
8y. 7m. 8d.; m. 619.6 lbs., fat 20.812
Northern Mich. Asylum, Traverse City, Mich.

65. Pride Clothilde—
9y. 3m. 17d.; m. 689.1 lbs., fat 20.768
T. A. Mitchell Weedsport, N. Y.

66. Milly Netherland DeKol—
4y. 11m. 22d.; m. 458.1 lbs., fat 20.723
E. C. Brill, Broadway, N. J.

67. Jarie Pauline DeKol—
7y. 4m. 16d.; m. 522.2 lbs., fat 20.713
H. D. Roe, Augusta, N. J.

68. Neah Pauline DeKol—
7y. 3m. 4d.; m. 584.6 lbs., fat 20.653
Gardner & Misner, Centerville Sta., N. Y.

69. Belle Korndyke—
10y. 9m. 13d.; m. 509.8 lbs. fat 20.615
H. Stevens & Sons, Lacona, N. Y.

70. Dykstra DeKol 2d—
5y. 11m. 13d.; m. 484.4 lbs., fat 20.611
Geo. M. Carrpenter, Wilkes-Barre, Pa.

71. Mutual Friend 2d—
7y. 1d.; m. 585.1 lbs., fat 20.608
T. G. Yeomans & Sons, Walworth, N. Y.

72. Bertina Netherland DeKol—
6y. 1m. 29d.; m. 456. lb. fat 20.599
F. J. Bristol, Oakfield, Wis.

73. Inka Darkness 2d's Queen—
11y. 11m. 10d.; m. 492.2 lbs., fat 20.563
Eastern Mich. Asylum, Pontiac, Mich.

74. Alicine 2d's DeKol—
5y. 7m. 13d.; m. 549.5 lbs., fat 20.530
Mt. Herman Boys' School, Mt. Herman, Mass.

75. Bell Rodmer—
6y. 9m. 2d.; m. 682.6 lbs., fat 20.498
T. A. Mitchell, Weedsport, N. Y.

76. Rowena Maid 2d's B—
4y. 11m. 27d.; m. 547.6 lbs., fat 20.495
W. C. Hunt, Liverpool, N. Y.

77. Belle Sarcastic—
6y. 2m. 10d.; m. 558.5 lbs., fat 20.464
Mich. Ag. College, Agr. College Mich.

78. Maud DeKol—
10y. 8m. 20d.; m. 561. lbs., fat 20.447
J. W. Dimick, Rifton, N. Y.

79. Minnie Beets DeKol—
8y. 10m. 1d.; m. 496.4 lbs., fat 20.447
T. A. Michell, Weedsport, N. Y.

80. Tulip Pietertje Inka DeKol—
4y. 11m. 22d.; m. 484.3 lbs., fat 20.441
Geo. T. McNeil, Theresa, N. Y.

81. Winana Pietertje DeKol—
4y. 9m. 29d.; m. 576.5 lbs., fat 20.436
W. C. Hunt, Liverpool, N. Y.

82. Heeringa Pauline 2d—
7y. 2d.; m. 576.6 lbs., fat 20.422
World's Fair H.-F. Assn., St. Louis, Mo.

83. Nora Inka Pietertje—
8y. 9m. 27d.; m. 590.7 lbs. fat 20.412
Richard Hicks, Auburrn, N. Y.

84. Maid Mutual DeKol—
3y. 9m. 25d.; m. 588.8 lbs., fat 20.406
Stevens Bros.-H. Co., Liverpool, N. Y.

85. DeKol Hengerveld Belle
6y. 7d.; m. 533.8 lbs., fat 20.404
John B. Marcou, Princeton, Mass.

86. Allie Nig—
5y. 9m. 3d.; m. 559.1 lbs., fat 20.395
J. W. Dimick, Rifton, N. Y.

87. Helena Burke—
7y. 3m. 10d.; m. 654.1 lbs., fat 20.364

Henry Stevens & Sons, Lacona, N. Y.

88. Belle Korndyke's Daughter—
6y. 11m. 28d.; m. 627.5 lbs., fat 20.336
Henry Stevens & Son, Lacona, N. Y.

89. Grace Fayne 2d—
7y. 2m. 25d.; m. 569 lbs., fat 20.335
S. B. Jones & Sons, Watertown, Wis.

90. Aaltje Salo Erna—
4y. 9m. 26d.; m. 566.2 lbs., fat 20.286
T. S. Tompkins, White Bear Lake, Minn.

91. Uilkje—
6y. 12d.; m. 661.6 lbs., fat 20.272
J. W. Dimick, Rifton, N. Y.

92. Rosa Bonheur 5th—
5y. 10m. 6d.; m. 682. lbs., fat 20.270
Mich. Ag. College, Ag. College, Mich.

93. Julia Ann Parthenea—
5y. 11m. 10d.; m. 432.6 lbs., fat 20.260
L. G. Legler, Juda Wis.

94. Susie DeKol—
8y. 10m. 7d.; m. 474.5 lbs., fat 20.245
A. A. Cortelyou, Neshanic, N. Y.

95. Inka Clothilde—
4y. 8m. 8d.; m. 526.6 lbs., fat 20.213
McAdam & Von Heine, Deansboro, N. Y.

96. May Beets DeKol—
7y. 11m. 23d.; m. 649.9 lbs., fat 20.208
The Fred F. Field Holstein Co., Montello, Mass.

97. Minnie DeKol—
8y. 4m. 25d.; m. 492.8 lbs., fat 20.196
A. W. Brown, Unadilla Forks, N. Y.

98. Small Hopes DeKol—
7y. 5m. 5d.; m. 528.8 lbs., fat 20.184
H. A. Moyer, Syracuse, N. Y.

99. Belle Pietertje of Oneida—
6y. 11m. 7d.; m. 528.7 lbs., fat 20.161
J. H. Partrick, Mexico, N. Y.

100. Pontiac Jewel—
5y. 3m. 20d.; m. 493.6 lbs., fat 20.160
Stevens Bros.-H. Co., Liverpool, N. Y.

101. Homestead Gem Pauline DeKol—
5y. 11m. 28d.; m. 644. lbs., fat 20.158
W. A. Matteson, Utica, N. Y.

102. DeKol Mechthile Longfield—
4y. 7m. 6d.; m. 493.2 lbs., fat 20.154
E. C. Petrie, Elkhorn, Wis.

103. Ina Woodcrest DeKol—
5y. 5m. 10d.; m. 611.6 lbs., fat 20.144
J. W. Dimick Rifton, N. Y.

104. Nettie Mahomet Queen—
5y. 5m. 12d.; m. 504. lbs. fat 20.136
A. C. Chase, Syracuse, N. Y.

105. Sallie Clothilde—
7y. 5m. 2d.; m. 508.5 lbs., fat 20.134
World's Fair H.-F. Assn., St. Louis, Mo.

106. Carren Wase DeKol..
6y. 1m. 18d.; m. 584.2 lbs., fat 20.132
R. M. Hotaling, San Francisco, Cal.

107. Canary Mercedes—
6y. 8m. 14d.; m. 409.5 lbs., fat 20.129
H. S. Day, Willis, Mich.

108. Johanna Netherland DeKol—
6y. 15d.; m. 624.6 lbs., fat 20.099
W. L. Keyes, Deerfield, N. Y.

109. Topsy Barber—
7y. 5m. 2d.; m. 603.1 lbs., fat 20.070
W. A. Mattson, Utica, N. Y.

110. Calamity Jane—
7y. 10m. 11d.; m. 572.5 lbs., fat 20.041
A. & G. Rice, Curries, Ont.

111. Hannah DeKol—
6y. 1d.; m. 591.6 lbs., fat 20.036
F. R. Hazard, Solvay, N. Y.

112. Fidessa—
4y. 11m. 18d.; m. 570.5 lbs., fat 20.032
Pierce Land & Stock Co., Stockton, Cal.

113. Edith Precott Aaggie DeKol—
5y. 10m. 19d.;; m. 573.8 lbs., fat 20.017
H. A. Moyer, Syracuse, N. Y.

114. DeKol of Valley Mead—
6y. 10m. 17d.; m. 568.9 lbs., fat 20.004
Pierce Land & Stock Co., Stockton, Cal.

New Advertisements.

See "Wanted Position" by a married man with college training.

For a son of a 24 lb. cow ready for service, see ad. of Lawrence L. Grow, Ft. Jackson, N. Y.

Study the pedigree of King Segis Pantiac given in the ad. of Stevens Bros.-Hastings Co. No weak points there.

H. H. Wickwire, Hubbardsville, N. Y., having sold his herd, will sell his herd bull, Beryl Wayne DeKol Paul, or exchange him for young stock.

The full sister of Sir Johanna Rue DeKol holds a world's record. If you want to infuse some of his blood into your herd write to H. M. Lyon & Sons, Wyalusing, Pa.

WANTED—Position as First Herdsman of Holstein Herd. Married man. College training, best of references. Address Herdsman, care H.-F. World.

Home Circle.

How Does It Seem to You?

It seems to me I'd like to go
Where bells don't ring, nor whistles blow,
Nor clocks don't strike, nor gongs don't sound,
And I'd have stillness all around.

Not real stillness, but just the trees'
Low whisperings, or the hum of bees,
Or brooks' faint babbling over stones
In strangely, softly tangled tones.

Or maybe a cricket or katydid,
Or the songs of birds in the hedges hid,
Or just some such sweet sounds as these
To fill a tired heart with ease.

If 'twerent for sight and sound and smell,
I'd like a city pretty well,
But when it comes to getting rest
I like the country lots the best.

Sometimes it seems to me I must
Just quit the city's din and dust
And get out where the sky is blue,
And, say, now, how does it seem to you?

—Eugent Field.

Selections.

He who formerly was reckless and afterwards becomes sober, brightens up this world, like the moon when free from clouds.

Health is the greatest of gifts, contentment the best riches. There is no fire like passion: there is no unlucky die like hatred —Dhammapada.

Conscript of 1813.

A CONTINUED STORY.

Translated from the French by the editor of the H.-F. World.

We went forwards, taking the main road to Wurtzen. The rain fell, the water ran down the back of our necks, the wind shook the poplars, whose yellow leaves fell about us announcing winter. This continued for hours.

Here and there a village was met with its sheds, manure piles and gardens surrounded by palisades. The women standing behind their little stained glass windows watched us pass; a dog barks, a man splitting wood at the door turns to follow us with his eyes, and we continue on, soaked to the back bone. At the outskirts of the village the main road stretching away to the loss of sight, the gray clouds hang over the denuded fields, and some frightened raven hastens away as fast as his wings can carry him, uttering his melancholy cry.

Pilling CATTLE Instruments

Pilling instruments are just the thing for dairymen and farmers. By their use you can cure your own cows and save the expense of a veterinarian—no special skill required.

Pilling Milk Fever Outfit for air treatment, a method that cures 97 per cent of cases treated, recommended by the United States Agricultural Department, with full directions, $3.00. *Cattle Trocar* for bloat, 1.50. *Teat Bistoury*, $1.50. *Improved Teat Opener*, 75c. *Patent Coin Silver Milk Tubes*, 50c.

Pilling Cattle Case, containing Milk Fever outfit and eight other cattle instruments, needed by every dairyman. Complete in case, $10.00, value $14.25. Dont miss this opportunity. Write at once for our free descriptive pamphlet. **DO IT TODAY.**

G. P. PILLING & SON,
Philadelphia, Pa.
2222 Arch St.

Nothing is more depressing than such a spectacle, especially when one thinks only of the approach of winter, and that it will soon be necessary to sleep out in the snow. No one said a word save Poitevin. He was an old soldier yellow, rinkled the cheeks furrowed, nose red, long mustaches, like all the brandy drinkers. He had a ready tongue and mixed his talk with bar-room expressions, and when the rain increased, he cried with a burst of strange laughter: "Yes, Poitevin, Yes, this will teach you to whistle!" This old soaker had discovered that I had some sous in the bottom of my pocket. He kept near me and finally said: "Young man, if your knapsack is heavy, hand it to me." But I thanked him for his kindness.

In spite of my dislike at being with a man who looked always for the sign of the dramshop when we entered a village, and who said, "A glass now and then is a capital thing, and life is short," I had not been able to escape paying for some drinks, for which reason he never left me.

When we approached Wurtzen the rain poured, and the quartermaster cried for the twentieth time:

"Yes, Poitevin, this will teach you to whistle."

"What develish proverb have you got there, Quartermaster," I said to him, "I would like to know how the rain can teach you to whistle?"

—It is not a proverb, young man, it is an idea that comes to me when I am amused."

Then presently he said:

"In 1806 when I was pursuing my studies at Rouen, it was my lot with a number of other young people to whistle a part in a play. Some whistled, others applauded; it ended in a fist fight, and the police put us in the lock-up by the dozen. The Emperor, hearing of the affair, said: "Since they love to fight so well, let them join my army! They can gratify their tastes." And naturally enough no one in the country dared to whistle afterwards, not even the fathers and mothers!

—You was a conscript then?" I asked.

"No my father had just purchased me a substitute. It was a pleasantry of the Emperor, one of those pleasantries that one remembers a long time: twenty or thirty among us are dead. Some others instead of filling an honorable place in their country, as a physician, judge, lawyer, have become drunken sots. This is what is called a good joke!"

Then he laughted and looked at me from the corner of his eye. I had become thoughtful. Several times still, before we reached the main army, I bought drinks for this poor devil.

Towards five in the evening, in approaching the village of Risa we perceived to the left an old mill, and a wooden bridge upon a by-path. We took the by-path as a short-cut, and when we were only a few hundred paces from the mill we heard a great outcry. At the same time, two women, one old the other young, crossed a garden, dragging some children after them. They were trying to gain a wood that bordered the way upon one side. Almost immediately we saw several of our soldiers coming out of the mill with some sacks, others were filing out of a cellar bringing some small casks, which they hastened to load upon a cart near the mill-race; still others were leading some cows and goats wrom a stable, while an old man, before the door, raised his hands to heaven, and five or six of these poor people surrounded the miller, pale, their eyes protruding.

All this: the mill, the dam, the broken windows, the women who fled, our soldiers in police caps, looking like veritable bandits, the old fellow who cursed them and the cows that shook their heads trying to free themselves from those who led them, while others pricked them behind with their bayonets—all is there before me—I can see it still!

"There, said the quartermaster, Poitevin, these are marauders—we are not far from the army."

"But it is abominable!" cried I; "these are no more than brigands!"

"Yes," responded the quartermaster, "it is contrary to discipline; if the Emperor knew it they would be shot like dogs."

We crossed then the little bridge; and as one had just tapped one of the casks behind the cart, the soldiers pressed around with a pitcher, drinking by turns. This stirred the quartermaster, who cried with a majestic tone:

"By what authority commit you this pillage?"

Several turned the head, and seeing that there were only three of us, the others having gone on without stopping, one replied:

"Hey! old joker, so you want your part of the booty—that is quite natural—but there is no need of your tying up your mustaches for that—take a swig."

He held him the pitcher; the quartermaster took it, and looking sidewise at me he drank.

"Ah, well, young man," said he finally, if your heart prompts you, it is famous, this small wine.

"Thanks," I replied.

Several others cried:

"Come on! Come on! It is time."

"No, no, wait, it is necessary to see it again!

"Say, now," remarked the quartermaster in the tone of a good man, "It is necessary to be moderate."

"Yes, yes, replied a sort of drum-major in his great cocked-hat, smil-

FOR SALE Having sold my herd of Holsteins I offer for sale my herd bull, Beryl Wayne De Kol Paul, No. 28785, a son of Beryl Wayne. Official record 27 lbs. 14 oz. of butter in seven days. He is a fine animal and all his stock are nicely marked, and nice, straight individuals. Will sell or trade him for heifer calves or heifers. For further particulars address

H. H. WICKWIRE, Hubbardsville, N. Y.

FOR SALE

Holstein Bull Calves. Sired by
LORD NETHERLAND DE KOL, BARON NETHERLAND DE KOL AND
LORD NETHERLAND COUNT DE KOL

at reasonable prices. Correspondence solicited. Photograph of calf furnished if desired.

BURNE-MEADE FARM - - - SAMUEL J. TILDEN, PROPRIETOR, New Lebanon, N. Y.

FAIRVIEW HERD, Offers another young Korndyke,

BULL CALF, Born Sept. 2d, 1906

- Sire: **Sir Pontiac Korndyke** — 27 A. R. O. daughters
  - **Manor Jos. De Kol**
    - **Emp. Jos. 3d's Sir Mech.**
    - **Agnes De Kol Ellen**
  - **Belle Korndyke** — 25¾ lbs. in 7 days
    - **Silvan Hartog**
    - **Kate Korndyke**
- Dam: **Pontiac Pet** — 15.73 lbs. at 2 years. 129 days after calving. Average fat 4.3.
  - **Pontiac Korndyke**
    - **Man. Jos. De Kol**
    - **Belle Korndyke**
  - **Pontiac Eratic**
    - **Hengerveld De Kol**
    - **Carrie Pet Seeley**

This young bull is beautifully marked and straight as a string and will be sold for what he is worth

E. H. DOLLAR, Heuvelton, St. Lawrence Co. New York

At the head of our Lacona herd, De Kol 2d's Butter Boy, and

KING SEGIS PONTIAC No. 44444, born Jan. 31, '06.

- Sire: **King Segis** — The only bull of the breed whose three nearest dams are all 28 lb. cows or better.
  - **Mercedes Julip's Pietertje's Paul.**
    - **Johanna Rue 2d's Paul Dekol**
    - **Mercedes Julip's Pietertje, A. R. O. 29.36 lbs.**
  - **A. & G. Inka McKinley A. R. O. 28.62 lbs.**
    - **Billy McKinley**
    - **Segis Inka A. R. O. 28 lbs.**
- Dam: **Pontiac Clothilde DeKol** — A. R. O. at 3 yrs. 22.09 lbs. Her full sister, Pontiac Rag Apple, 31.62 lbs.
  - **Pontiac Korndyke.**
    - **Manor Josephine De-Kol.**
    - **Belle Korndyke A.R.O. 25.77 lbs.**
  - **Pontiac Clothilde De-Kol A. R. O. 23.2 lbs.** His full sister, Pontiac Clothilde Hengerveld, 22.57 lbs. The latter's daughter, Pontiac Pietertje Princess, has just made an A. R. O. record, at 2 yrs. old, of over 18½ lbs.
    - **Hengerveld De Kol.**
    - **Rag Apple's Clothilde Artis.**

Where can you find a better petigree? Notice the aggregation of great names—the Johannas, the Segis Inkas, the Korndykes, Mercedes Julip's Petertje, Pontiac Korndyke, and Hengerveld De-Kol, (combining Netherland Hengerveld and De Kol 2d.) We have been obliged to refuse some liberal offers in order to keep this animal. He is a superb individual, and in all 'rouud merit, goes in the same class with King of the Pontiacs.

The Stevens Brothers-Hastings Co.

Brookside Herd Liverpool, N. Y.

N. B.—Herd at Liverpool and Lacona. At the latter place we have some splendid heifers that have been bred to King Segis Pontiac.

ing with an air of mockery, the eyes half closed, yes, be moderate, we must pluck the pu let according to rule. One must have consideration —one must have cons deration!"

Then the quartermaster said no more; he was abashe. on my account

"What would you have," young man," said he while quickening our steps in order to rejoin our comrades, war is war. One cannot a low himse f to dry up!"

I believe that he would have remained, but for the fear of being taken. I was dejected, and I said to myself:

"Behold the drunkard! They can have goo l emotions, but the sight of a pitcher of wine causes them to forget everything."

Finally towards ten in the evening, we saw camp fires upon a dark hillside to the right of the village of Gauernitz and of an o d castle where shown a so some lights. Farther on in the plain, flickered other fires in greater number.

The night was clear. The great rain had cleared the sky. As we approached, one cried to us:

"Who goes?"

"Fiance!" replied the quartermaster.

My heart beat with force in thinking that in some minutes I would see my old comrades, if they were yet of this world.

To be continued.

You Should Have a Pedigree

Of every animal in your herd. You cannot afford to be without one. Recently a breeder sold a grand daughter of one of the champion cows without knowing the relationship that existed between his stock and this cow. If he had had a tabulated pedigree of this animal, he would not have made this mistake, which meant a considerable loss to him. But he neglected having a chart made. You should not make this mistake.

I Furnish Pedigree Charts

neatly typewritten, including the name, registry numbers, and all A. R. O. records for three generations back for 50 cents each or $5.00 a dozen. TOGETHER WITH A DUPLICATE CARBON COPY OF EACH FREE

Or I will furnish a complete chart back to importation containing all records as above for $1.00 each or $10.00 a dozen.

JUST SEND NAME AND REGISTRY NUMBER OF ANIMAL with amount enclosed to pay for same and you will receive your pedigrees promptly.

Address H. E. KINNE, Jr., Cortland, N. Y.

P. S. If you have stock to sell at **Private** or **public sale**, it will be to your advantage to correspond with me. Get my terms for public **sale managing** and **pedigree compiling** before you close elsewhere. **H. E. K., Jr.**

Transfers.

Transfer List for the Week Ending May 11, 1907.

(Concluded from last issue.)

Prison City Prince De Kol, H. G. Russink to Aug. Rothlesberger, Seymour.

Sir Astrea De Kol, T. J. Barmore to Thos. Lacy, South Wayne.

Sir Colanthus De Kol 2d, C. W. Rasch to J. C. Kieffer, Auburndale.

Sir Gem Pietertje, J. W. Cooper to R. A. McLery, Palmyra.

Sir Inka Mooie, W. H. Jones to Aug. Krause, Seymour.

Sir Johanna Melchior Beauty, G. W. Bates to James Doyle, Waldo.

Sir Johanna Netherland Challenge, Reddelien Bros., to L. C. Morse, Sparta.

Sir Johanna Wartena, Jacob Konrad to John A. Joeckel, Jackson.

Sir Mechthilde Grilla De Kol, T. J. Barmore to West & Shelton, Ramona.

Sir Mercedes Magnet De Kol Salo, Aug. Seefeldt to Wm. Grulke, Hustisford.

Sir Natsey of Silver Spring, Geo. F. Comings to os. Berg, Bloomer.

Sir Springvale Duchess Paul, A. L. Williams to Otto J. Len, Grand Rapids.

Transfer List for the Week Ending May 18, 1907.

CALIFORNIA.

Artis Carisa Lady, 2d, Astrea Johanna, Bakher Belle Pieterjte, Heil Dir Licht. Walhalla, Louie A. Hall to Arthur B. Kendall, Modesto.

COLORADO.

Come Again, Hengee Jellkje, Kitty Marlow, Lady Brookside, De Kol, Lois Maid, Margaret De Kol Clyde, Mutual De Kol Maid, Never Again 2d, Orrice 5th's De Kol Pauline, Viola De Kol Mercedes, Vita Mechthilde Yuno Aaggie, W. B. Smith & Son to J. M. Kelsay, Rocky Ford.

CONNECTICUT.

Lovicia Beauty De Kol Netherland, Lovivia Maid Rose, Sieberen Anson Lady, Sieberen De Kol Lady Sada, G. L. & H. W. Wells to H. H. Wells, Wethersfield.

Lovicia Beauty De Kol, G. L. & H. W. Wells to C. O. Dart, Vernon.

Lovicia Maid De Kol Alice, G. L. & H. W. Wells to R. E. Buell, Andover.

Lovicia Shadeland De Kol, G. L. & H. W. Wells to A. E. Linley, Trumbull.

Perfect 6th's Netherland De Kol, G. L. & H. W. Wells to R. E. Buell, Andover.

Sieberen Anson De Kol Lady Alice, G. L. & H. W. Wells to James Case, Collinsville.

Sieberen De Kol Lady Alice, G. L. & H. W. Wells to A. E. Linley, Trumbull.

ILLINOIS.

Aaggie Clay De Kol, Aaggie De Kol Mink, Aaggie Mechthilde Royal, Junette Netherland Mechthilde, Maria Clay 2d's Aaggie, Pietertje De Kol Aaggie Clothilde, J. C. Frietag to R. E. Haeger, Algonquin.

Aaggie Inka Piebe De Kol, Belle Ramona De Kol, Bessie Astrea De Kol Bessie Mercedes De Kol, Duchess Siam De Kol, Emma Schultz De ol Pietertje, Lisette Clifden Calmia 2d, Maid of Madison De Kol, Maud Dinah De Kol, Mechthilde Pietertje De Kol, Mercedes Piebe Hengerveld, Ruth Pietertje De Kol Tirania, J. E. Mielke to R. E. Haeger, Algonquin.

Moore Sabina Beechwood, Ophelia Clay 2d, Pickanniny Equal De Kol, W. L. Moore to F. M. Riley, Olney.

Diotime Pauline, W. L. Moore to Wm. Harpster, Olney.

Margolyn 2d's De Kol, W. B. Smith & Son to Samuel Scott, Jr., Christman.

Pauline Rose Leaf, W. L. Moore to C. F. Chaplin, Olney.

Verbelle Kitty Clyde, W. L. Moore to John Bower, Olney.

INDIANA.

Aaggie Clothilde Bawn 2d, Bellewood Clothilde, Blanche Mercedes.

Maid, Carrie Frenesta, Clothilde Frenesta 2d, Countess Dell 2d, Dingle Lucy Monk, Josephine Planche Rauwerd, Lady Nascia Nudine, Nudine Cloverdale 4th, Ohio Queen Ultra, Perry Beauty 2d, A. Esther A. Horr to John V. Shugart, Marion.

Fider Pansy Nudine 2d, Gertrude Monk, Lady Lyons De Kol, Lady Paul Livardy, Saint Helen Ransleo, Vennette De Kol, Vennette De Kol Netherland, Frank P. Sutliff to J. V. Shugart, Marion.

MASSACHUSETTS.

Clothilde Beets De Kol, H. G. Whitney to Ethelbert Bliss, Ludlow.

Coral Witkop De Kol 4th, W. H. & S. H. Rollins to Geo. E. Jones, Concord.

Edgelake Colantha, B. W. Potter & Son, to F. P. Knowles, Auburn.

Inspiration, W. B. Smith & Son to F. P. Knowles, Auburn.

Pontiac Anna, Eastern Michigan Asylum to Fred F. Field, Brockton.

Pontiac Gladi, Eastern Michigan Asylum to Fred F. Field, Brockton.

Segis Clothilde De Kol, H. G. Whitney to Ethelbert Bliss, Ludlow.

MEXICO.

Deak De Kol Hamilton, Deak Pietertje, Deak Zozo De Kol, Velma De Kol Hamilton, Velma Pietertje De Kol, C. D. Andrews to Juan Gavito, Flalpam.

MICHIGAN.

Crescent Beauty 2d, I. M. Shorman to Frank R. Crandall, Howell.

Gold Bug 3d, W. C. Huntington to J. W. Worthington, Howell.

Coldine Pietertje Pauline, I. M. Shorman to Frank R. Crandall, Howell.

Kate Spray 5th, W. B. Smith & Son to J. A. Garrow, Morenci.

Pearline Pietertje 2d, W. C. Huntington to R. C. Reed, Howell.

Toshwa, W. C. Huntington to John W. Worthington, Howell.

MINNESOTA.

Dora Flanders 2d, Est. of Sam Swenson to Oscar A. Swenson, Nicollet.

Lily Snow, Est. Sam Swenson to Oscar A. Swenson, Nicollet.

Nellie Natsey De Kol, W. G. Kruse to G. W. Hankerson, Medford.

Never Again 3d, W. B. Smith & Son to John B. Irwin, Minneapolis.

Queen Natsey De Kol, W. G. Kruse to G. W. Hankerson, Medford.

Reta Natsey De Kol, W. G. Kruse to W. S. Moscrip, North St. Paul.

NEW JERSEY.

Friend Maid De Kol, Kiola Netherland De Kol, Rose of Ensenore, John Arfmann to E. J. Huff, Plairstown.

Marion De Kol Pledge, Sieglinda Emporia De Kol, Sieglinda Frances De Kol, Sieglinda of Centerville, Fred Brokaw to Jacob Todd, Jr., and from Jacob Todd, Jr., to Geo. T. Brokaw, Centerville.

Altoida of Schillaard Beauty, Wills A. Seward to A. A. Cortelyou, Somerville.

Peryl Princess, John Arfmann to J. G. Drake, Somerville.

Camilla Clothilde Pietertje, Fred Brokaw Jacob Todd, Jr., and from Jacob Todd, Jr., to H. DeWitt Terhune, Belle Mead.

Countess Kit De Kol, Fred Brokaw to Jacob Todd, Jr., and from Jacob Todd, Jr., to A. A. Cortelyou, Somerville.

Covey Mercedes De Kol 3d, Jacob Todd, Jr., to H. DeWitt Terhune, Belle Mead.

Dowager Emoress 2d's Pledge, Jacob Todd, Jr.; to Robt. Jannings, Belle Mead.

Duchess Crumhorn De Kol, Jacob Todd, Jr., to A. I. Amerman, Somerville.

Edna von Holingen, Jacob Todd, Jr., to John Ammem, Millstone.

Einetta Artis, John Arfmann to Theodore Drew Vernon.

Emma Pietertje De Kol, John Arfmann to John C. Sharpe, Blairstown.

Gentle Maid De Kol, C. A. Speer to L. H. Schenck, Neshanic.

Hinke Von Holingen Duchess, Jacob Todd, Jr., to Willis Stryker, Belle Mead.

Lady Ondine Comedia De Kol, Fred Brokaw to Jacob Todd, Jr., and from Jacob Todd, Jr., to Jacob G. Drake, Somerville.

Lottie Comedia De Kol, Jacob Todd, Jr., to John H. Drake, Halingen.

Maggie Bell 2d, Jacob Todd, Jr., to H. S. Van Zandt, Skillman.

Marion Duchess Sarcastic, Jacob Todd, Jr., to Geo. G. Brokaw, Centerville.

Minnie Karl De Kol, Jacob Todd, Jr., to Chas. L. Roberts, Basking Ridge.

Nannette 4th's Marion, Jacob Todd, Jr., to Bernard Meyer, Finderne.

Official Records of Holstein-Friesian Cows

91 Cows. **From May 16th, 1907, to May 23d, 1907.**

NAME OF COW AND OWNER.	Age y.	m.	d.	Days from Calving.	Consecutive Days.	Milk lbs.	Average per cent. fat.	Butter fat lbs.
Hannnah DeKol, 58485, F. R. Hazard	6	0	1		7	591.6		20.037
	6	0	1	5	30	2 378.8	3.37	80.284
Anzaletta Pauline Paul 2d, 52296, S. A. Robinson	6	10	4	37	7	637.5	3.07	19.711
	6	10	4	20	30	2,641.4	3.07	81.147
Eva Clothilde DeKol, 61059, Stevens Bros.Hastings Co.	5	0	16	23	7	571.4	3.01	17.224
	5	0	16	6	30	2,350.2	3.04	71.397
Twin Jessie DeKol ,62884, T. A. Mitchell	6	2	14	7	7	488.1	3.49	17.033
Shadeland Dulcibel 4th, 54886, S. A. Robinson	8	1	11	12	7	495.4	3.38	16.732
	8	1	11	12	30	2,040.4	3.32	67.898
Netherland Fancy Clothilde, 49940, H. S. Gordon	7	6	2	52	7	514.8	3.20	16.487
Jolie Johanna Clothilde DeKol, 72194, Stevens B.-H. Co.	5	7	21	11	7	432.5	3.67	15.875
Pontiac Proserpina, 56975 Stevens Bros.-Hastings Co.	5	8	10	15	7	528.0	3.70	15.855
Robertine Tritomia DeKol, 59289, Stevens B.-H. Co.	5	10	16	13	7	408.0	3.80	15.498
Teli DeKol, 50879, Frank Backman	7	2	11	46	7	485.2	3.16	15.362
Manor Grace Pietertje, 54738, S. A. Robinson	6	10	23	8	7	372.2	4.11	15,309
Gladice Barber, 60975, Mt. Hermon Boys' School	5	7	11	15	7	469.5	3.23	15.177
Mank Lyons' Ophelia 2d, 58442, Wing R. Smith	6	1	1	23	7	421.1	3.55	14.942
Lady of Burton Aaggie, 60573, S. A. Robinson	7	10	23	18	7	493.1	2.99	14.723
	7	10	23	13	30	2,044.1	3.00	61.374
Revonna Jewel Soldene Maid, 55004, The Thomson Farms Co.	6	4	11	7	7	422.6	3.41	14.427
Eureka Jewel, 59753, Mt. Hermon Boys' School	5	3	7	10	7	397,3	3.45	13.701
Felpa Girl, 41052, Leland Stanford Jr. University	11	0	10	29	7	433.8	3.11	13.506
Hadria Clothilde 55980, W. M. Backus	9	1	12	18	7	408.3	3.29	13.453
Netherland Nemesis DeKol, 69265, Brattleboro Retreat Farm	5	6	27	19	7	344.0	3.83	13.172
Paya, 35933, Leland Stanford Jr. University	13	5	12	7	7	434.5	2.72	12.721
Miel, 61637, Leland Stanford Jr. University	7	7	5	27	7	444.8	2.80	12.459
Floa 6th's Pietertje 55537, H. V. Noyes	6	11	22	34	7	352.8	3.51	12.372
Dora 2d, 82740, J. B. Marcou	5	2	21	14	7	442.2	2.77	12.236
Poupet, 63466 J. B. Marcou	4	6	2		7	575.9		18.523
	4	6	2	18	14	1,112.8	3.17	35.257
	4	6	2	8	24	1,749.2	3.34	58.338
Idyl Paul, 61918, Frank Backman	4	10	12	33	7	499.4	3.61	17.034
Black Lies DeKol, 70402, W. M. Backus	4	9	13	11	7	470.6	3.51	16.545
Maplecroft DeKol Perfection Maid, 62683, Stevens Bros.-Hastings Co	4	11	1	15	7	520.0	3.17	16.517
Johanna Queen Mechthilde, 67290, Stevens Bros.-H. Co.	4	5	1	9	7	545.9	3.41	18.632
Countess Jarie DeKol 2d, 65554, J. W. Dimick	4	1	23	30	7	505.7	3.14	15.888
	4	1	23	10	30	2 091.4	3.14	65.728
Anna Battels 3d's Annual, 68371, Mt. Hermon Boys' School	4	1	21	7	7	405.3	3.75	15.204
Diotime 2d's Pauline 63904, H. Bollert	4	5	0	54	7	453.5	3.12	14.151
Zilla Burke, 66101, H. C. Guild	4	2	15	10	7	451.4	3.05	13.786
Lies Abbekerk, 70298, W. M. Backus	4	3	28	46	7	429.0	3.17	13.619
Helena Calamity Burke, 65832, The Thomson Farms Co.	4	5	11	85	7	392.8	3.35	13.185
Homefields DeKol Beets, 67116, Frank Backman	4	4	2	42	7	435.5	3.01	13.083
Helen Keller, 67974, A. G. Byers	3	6	16	25	7	525.3	2.78	14.587
Pledge Hengerveld DeKol, 66924, H. V. Noyes	3	10	25	27	7	403.2	3.57	14.394
Clothilde Lizzie 73901, H. A. Precott	3	6	29	17	7	341.5	3.51	11.983
Tennesse Blossom DeKol, 70013, D. J. Wood	3	7	15	19	7	365.5	3.13	11.430
Spectrissa 68230, Leland Stanford Jr. University	3	10	21	32	7	346.8	3.07	10.649
Tidy Pauline DeKol 2d, 83916, H. Bollert	3	4	12	43	7	523.6	3.50	18.345
Pontiac Clothilde DeKol 2d, 69991, Stevens Bros.-H. Co.	3	1	7	22	7	516.7	3.42	17.680
	3	1	7	6	30	2,133.8	3.28	70.053
Inka Plum DeKol 70266, J. W. Dimick	3	0	2	58	7	489.5	3.30	16.190
	3	0	2	44	30	2.092.4	3.22	67.401
Minnie Johanna DeKol, 69693, T. A. Mitchell	3	3	24	9	7	441.6	3.51	15.510
Jessie Mercedes, 74241, H. F. Park	3	1	25	26	7	390.6	3.44	13.455
Felissa, 71761 Leland Stanford Jr. University	3	3	7	7	7	399.2	3.31	13.210
Molly Beryl, 73126, T. A. Mitchell	3	3	28	12	7	392.5	3.28	12.870
Hengerveld DeKol Beauty, 75608 H. V. Noyes	3	0	29	124	7	333.5	3.54	11.810
Vina Colantha, 71760, Leland Stanford Jr. University	3	2	14	30	7	362.0	3.14	11.368
Mayconda, 68019, Leland Stanford Jr. University	3	5	6	35	7	412.1	2.70	11.128
Aradna,, 68207, Leland Stanford Jr. University	3	4	25	10	7	320.3	3.33	10.679
Edith Prescott Wayne, 73709, Stevens Bros. Hastings Co.	2	11	10	19	7	495.3	3.44	17.052
Theodora DeKol Azubah, 84477, J. W. Davis	2	6	3	26	7	476.5	2.86	13.610
Elthanna 77228, Leland Stanford Jr. University	2	8	21	8	7	304.2	3.78	11.502
Luit Rose, 70894, Fred Dixon	2	11	14	26	7	365.9	3.10	11.346
Clothilde Korndyke Netherland, 78796, D. J. Wood	2	6	9	11	7	346.8	3.21	11.130
Winnie Lamb Korndyke DeKol, 78795, D. J. Wood	2	7	1	27	7	327.8	3.26	10.713
Miss Farolico, 77236, Leland Stanford Jr. University	2	9	27	14	7	295.4	3.59	10.610
Togata, 77229, Leland Stanford Jr. University	2	7	19	28	7	298.8	3.43	10.257
Diosa, 71745, Leland Stanford Jr. University	2	11	1	31	7	313.6	3.16	9.909
Gertie Snowflake Posch, 74979, Mt. Hermon Boys' School	2	8	12	23	7	306.0	3.20	9.792

Patpanla, 77230, Leland Stanford Jr. University	2	8	26	10	7	261.1	3.62	9.447
DeKol Lass of Hillcrest, 86986, W. B. Whitlock	2	7	27	29	7	292.5	3.15	9.215
Nellie Woodcrest, 80994, H. S. Gordon	2	2	23	17	7	361.8	3.66	13.230
	2	2	23	13	14	694.1	3.71	25.753
Mutual Ormsby DeKol, 75458, Stevens Bros.-Hastings Co.	2	0	9	20	7	349.0	3.53	12.328
	2	0	9	9	30	1,427.1	3.49	49.817
Manor DeKol Kate 2d, 87805, Stevens Bros.-Hastings Co.	2	1	1	22	7	437.2	2.77	12.130
Frontier Jessie Veeman 3d, 80008, Mrs. Laura Meyer	2	3	20	27	7	341.6	3.36	11.493
Pieterte DeKol Beryl Wayne, 78761, Wing R. Smith	1	9	17	23	7	358.7	3.18	11.420
Manor DeKol Lady Burke 3d, 79931, Stevens B.-H. Co.	2	0	21	22	7	297.0	3.58	10.635
Manor Kate DeKol, 80089, J. B. Marcou	2	2	7	11	7	308.5	3.43	10.580
Beryl Hartog Wayne, 78763, Wing R. Smith	1	8	20	19	7	322.4	3.27	10.537
Bryonia DeKol, 81835, H. F. Park	2	2	3	27	7	323.8	3.15	10.207
Vina May, 77234, Leland Stanford Jr. University	2	5	21	5	7	294.9	3.44	10.147
Lida Abbekerk, 88730, W. B. Whitlock	2	1	8	10	7	317.1	3.18	10.075
	2	1	8	4	13	544.2	3.27	17.791
Aaggie Topsy Ormsby, 79138, Stevens Bros. Hastings Co.	1	9	24	17	7	313.8	3.20	10.065
Brookside Pontiac Pleione, 85861, Stevens Bros. H. Co.	1	6	21	10	7	269.7	3.73	10.054
Wachusett Tidy, 76958, J. B. Marcou	2	3	20	26	7	347.6	2.84	9.885
	2	3	20	18	16	766.9	2.89	22.139
Boon Concordia DeKol, 82550, D. J. Wood	2	4	29	12	7	303.0	3.09	9.380
Susie DeKol Paul 2d, 79137, Stevens Bros.-Hastings Co.	2	4	14	7	7	262.8	3.56	9.362
Jessie Veeeman DeKol 2d, 80010, Mrs. Laura Meyer	2	3	29	11	1	281.4	3.22	9.082
Princess Korndyke DeKol 2d, 81972, Stevens Bros.-H. Co.	1	7	9	11	7	231.7	3.89	9.008
Manor Princess DeKol, 79970, J. B. Marcou	2	2	22	16	7	307.8	2.83	8.711
Prescott Inka Ormsby DeKol, 75461, Stevens Bros.-H. Co.	2	2	12	11	7	286.9	3.02	8.685
Ruby Concordia 82555, D. J. Wood	2	0	23	12	7	267.5	3.20	8.558
Sissroina, 77237, Leland Stanford Jr. University	2	5	1	8	7	303.8	2.75	8.380
Novemlento, 77236, Leland Stanford Jr. University	2	4	6	21	7	320.8	2.52	8.096
Purity of Mt. Hermon, 78446 Mt. Hermon Boys' School	2	1	29	43	7	240.7	3.33	8.022
Helena Pietertje Burrke Parthenea, 83215, Stevens Bros.-Hstings Co.	1	11	1	12	7	229.0	3.50	8.015
Aaggie of Mt. Hermon, 78445, Mt. Hermon Boys' School	1	11	11	99	7	222.3	3.57	7.925
Tritomia Burke DeKol, 83218, Stevens Bros. Hostings Co.	1	10	22	69	7	199.1	3.90	7.764
Netherland Nora Sanesta 2d, 81568, Chas. E. Edwards	1	11	17	17	7	271.1	2.75	7.461

Delavan, Wis., June 26th, 1907. MALCOLM H. GARDNER, Supt. of Advanced Registry.

Netherland Queen De Kol, Jacob Todd, Jr., to John V. Huff, Jr., Neshanic Sta.

Pauline Witkop, John Arfmann to John C. Sharpe, Blairstown.

Pledge Emporia De Kol, Wm. L. Amerman to Jacob Todd, Jr., Millstone.

Princess Staple Colanthus De Kol, Jacob Todd, Jr., to G. W. Young, Sidney.

Sieglinda Pledge De Kol, Fred Brokaw to Jacob Todd, Jr., and from Jacob Todd, Jr., to H. DeWitt Terhune, Belle Mead.

Somerset De Kol, C. A. Speer to L. H. Schenck, Neshanic.

Starucca De Kol Amleto, Jacob Todd, Jr., to H. DeWitt Terhune, Belle Mead.

NEW YORK.

Aaggie Paul Hengerveld, Gertrude Abbekerk De Kol Paul, Gertrude.

Darkness Paul, Tennessee Pauline De Kol, Tennessee Pitertje Beebe, Tennessee Pietertje De Kol, J. L. Baltz to A. B. Miles, Philadelphia.

Beauty Pauline Wayne De Kol, Fancy Netherland De Kol, Pauline Fancy Wayne De Kol, Queen Breese De Kol, Walter Hasbrouck to E. C. Brill, Poughquag.

De Kol Burke Volinia Netherland, De Kol Ruby Netherland De Jong, Volinia Netherland Maud Kit De Kol, John A. Ennis to W. G. Ernest, Amsterdam.

Cornella De Kol Lieuwkje Aaggie Cornucopia, Liliuokalani De Kol, John Arfmann to Elting Du Bois, Pine Bush.

Celeste Netherland, Mercedes Aaggie Nephele 2d, Princess De Kol Paul Pride, John Arfmann to L. W. Miller, Middletown.

Irma Galatia, Nancy Paul, Pauline Mercedes Artis, John Arfmann to Geo. Morrow, Montgomery.

Aylesbury Mae, Celeste Aylesbury, Pietertje Emma Paul, Queen Cornupocia Paul, John Arfmann to D. D. Groo, Grahamsville.

Gracie De Kol Pauline 2d, Idyl De Kol Belle, Idyl De Kol Flossie, Nine Nethereland De Kol 2d, Sita De Kol Netherland, Sita Peeress De Kol 2d, Geo. W. Hicks to Willard State Hospital, Willard.

Aaggie Pauline Ursena, John Arfmann to K. Rigney, Bullville.

Aaggie Vale De Kol Mercedes, G. M. & S. S. Lyon to Jones & Wilson, Canastota.

Aaggie Van Steen Netherland 2d, William Sweetland to Dell Bingham, Cortland.

Adelaide Waldorf De Kol, J. W. Harrington to Elmer Traver, New Berlin.

Alsama 3d, John Arfmann to F. D. Ogden, Middletown.

Baroness Belle De Kol, F. M. Bullis to W. B. Bullock, Sherburne.

Belle Netherland De Kol Pietertje, A. H. Shaw to G. Morrisey, Walden.

Beryl Toitilla, John Arfmann to S. R. Decker, Slate Hill.

Bess Mechthilde, John Arfmann to W. H. May, Finskville.

Blossom De Kol Gerben, J. W. Harrington to Elmer Traver, New Berlin.

Bonny Hengerveld Burke, James Leadingham to James Bell, Brier Hill.

Cedar Stock Farm Queen 2d, John Arfmann to C. Hoppenstedt, Montgomery.

Celeste Clothilde Netherland 2d, John Arfmann to K. Rigney, Bullville.

Cornucopia Artis, John Arfmann to W. H. Bull, Washingtonville.

Countess Burnside, John Arfmann to F. D. Ogden, Middletown.

Dale Aaggie Netherland, William Sweetland to John Hall, Moravia.

Daisy Aylesbury, John Arfmann to J. W. Dimick, Rifton.

Daisy De Kol Netherland, W. H. Jaquith to D. W. Kastner, Hammond.

Ensenore Netherland, John Arfmann to G. E. Howell, Howells.

Fanny Paul, John Arfmann to Geo. E. Decker, Unionville.

Frisky Colantha, S. C. Whitford to Robert E. Brown, Almond.

Friend Clothilde, John Arfmann to C. F. Wood, Chester.

Gladys Jarie Pauline H. D. Risley to Willcox Bros., Randallsville.

Gladys Pauline, H. D. Risley to Willcox Bros., Randallsville.

Handsome Adventures, W. B. Smith & Son to Jno. Arfmann, Middletown.

Hattie Texal Lilith De Kol, A. A. Hartshorn to W. D. Betts, Hamilton.

Hattie Walker De Kol, A. A. Hartshorn to Clayton Sisson, Sherburne.

Hoester, D. H. Burrell & Co. to B. H. Decker, Wallkill.

Isma Allisma, D. H. Burrell & Co. to B. H. Decker, Wallkill.

Katie De Kol Inka Mechthilde, John Arfmann to J. A. Chambers, Hamden.

Lilian Clothilde of Sunny Side, A. E. Helmer to J. H. Piercy, De Kalb Junction.

Linda Baroness De Kol, F. M. Bullis to W. B. Bullock, Sherburne.

Lulu Hengerveld Burke, James Leadingham to R. B. Wightman, So. Hammond.

Maggie De Kol Princess, C. L. Hortsmann to A. Van Vrauken, Rexfords Flats.

Mercia 2d's Pet, W. N. Poole to Geo. W. Berry, Poolville.

Mercedes Aaggie Nephele, John Arfmann to B. W. Bull, Stony Ford.

Minke Orphans Orphelia, H. D. Risley to Geo. T. Tuckerman, Cassville.

Nancy Burnside, John Arfmann to W. W. Van Wyeck, Gardiner.

Nancy Pledge Princess, J. R. Frost to F. D. Adams & Son, Munnsville.

Netherland Artis May De Kol, W. H. Carrier to E. A. Powell, Syracuse.

Dalzell Mercedes, Nettie Mohamet Queen Netherland Hiske De Kol, Walter Hasbrouck to Theo. De La Porte, Rhinebeck.

Netherland Pazetta De Kol, A. H. Shaw to W. N. Knox, Walden.

Nethereland Pieterjte, John Arfmann to H. V. Sheeley, Pine Bush.

Pauline Cote d'Or, John Arfmann to W. H. May, Finskville.

Pauline Gem Beryl, N. F. Sholes to Geo. W. Berry, Poolville.

Pauline Wayne Clothilde De Kol, Walter Hasbrouck to Theo De La Porte, Rhinebeck.

Patje of Munnsville, J. R. Frost to F. D. Adams & Son, Munnsville.

Pietertje Beets Artis Miss, A. H. Shaw to C. E. Wigham, Montgomery.

Princess Babbette De Kol, John Arfmann to C. S. Jessup, Florida.

Queen Netherland Daisy De Kol, W. H. Jaquith to D. W. Kastner, Hammond.

Roella Wayne De Kol Pietertje, Geo. Morrow to John Arfmann and from John Arfmann to D. G. Green, Chester.

Rocklet Mae, John Arfmann to C. Hoppenstedt, Montgomery.

Roseline De Kol Pauline, John Arfmann to H. V. Sheeley, Pine Bush.

Roxie Pauline Berry, N. F. Sholes to Geo. Berry, Poolville.

Royal De Kol Olive 2d, M. V. Hall to E. A. Powell, Syracuse.

Rubina Pauline, John Arfmann to T. F. Howell, Washingtonville.

Rubina Pietertje 2d, John Arfmann to C. L. Jessup, Florida.

Sarah De Kol Lass, C. L. Hortsmann to A. Van Vrauken, Rexfords Flats.

Snow Flake Pauline, John Arfmann to D. T. Green, Chester.

Susie Queen of Maybrook, A. H. Shaw to F. J. Wright, Wallkill.

Twisk Cornucopia De Kol, John Arfmann to J. A. Chambers, Hamden.

Twisk Cornucopia Paul, John Arfmann to C. F. Wood, Chester.

Witkop Artis, John Arfmann to J. E. Howell, Howells.

Wymje Miller, Clarence E. Gifford to Daniel Hill, Greenwich.

OHIO.

Aaggie Maxima Clothilde, Gum Tutu 2d, Irene Peril Gem, Jacob's Margaret 3d, Max Clothilde, Maximum, Miss Sharp, Miss Sharpe 2d, Susie B. Anthony, Verbilie May 3d, W. B. Smith & Son to Derrer Bros., Camp Chase.

Annie De Kol Queen, Big Spray, Margo yn 2d, Nieta 2d's Pauline De Kol, Tamer Artis, Velox, Velox Paper, W. B. Smith & Son to Albert French, Lebanon.

Buckeye Girl De Kol, Gretta Thorne 3rd's De Kol, Idolite, Inspiration Johanna, My Belle, Told Again, Velmer Bonheur, W. B. Smith & Son to Mortimer Matthews, Cincinnati.

Daughter, Verbelle Clothlide Tritomia, Fred Temm to L. E. Connel, Fayette.

Fisher Mercedes, Jelkje 4th, Marlow, Nancy Dewdrop 2d's Aaggie, Semi-Annual, Try It, Tester, W. B. Smith & Son to A. Seeley, Camp Chase.

Artis Leaffy, W. B. Smith & Son to D. B. Myers, Sullivan.

Belle Stienstra, M. J. McPherson to Merton Gardner, Bryan.

Bromide Paul, Ray Town to R. W. Thompson, East Claridon.

Chulu, W. B. Smith & Sons to E. C. Gwyn, Springfield.

Colantha White Beauty, W. B. Smith & Son to A. M. Mills, Columbus.

De Koletta Posch, H. G. Whitney to Edwin S. Wertz, Wooster.

Fanny Begole 3d, W. B. Myers to D. N. Myers, Sullivan.

Gone Again, W. B. Smith & Son to J. A. Watson, Youngstown.

Heilo Margaret, W. B. Smith & Son to J. A. Watson, Youngstown.

Lady Mildred of Springbrook, John Langdon to F. E. Bates, Mesopotamia.

Olive Ordello De Kol, B. N. Myers to L. B. Roice, Huntington.

Popular, W. B. Smith & Son to A. M. Mills, Columbus.

Pride of Cedar Brook, M. J. McPherson to Merton Gardner, Bryan.

Ramoua 3d's Maid, D. N. Myers to Wm. Myers, Spencer.

Verbelle De Kol Clothilde, W. B. Smith & Son to D. N. Myers, Sullivan.

Viola Mercedes Maid 2d, W. B. Smith & Son to E. C. Gwyn, Springfield.

ONTARIO.

Colantha Pet, Edith Anthony 2d, Idolite De Kol, Johanna De Clothilde, Rosa Bonheur Beauty, W. B. Smith & Son to George Rice, Tillsonburg.

PENNSYLVANIA.

Aaggie Maxima's Pauline, Lily De Vries, Margolyn Clothilde, W. B. Smith & Son to Galbreath Bros., Delta.

Celosia D., Duchess Colanta De Kol, Homestead Pride Boon De Kol, G. M. & S. S. Lyon to C. W. Newman, Wyalusing.

Johanna Abbekerk De Kol Rue, Nada Clothilde 2d, Nannie Mechtilde, G. M. & S. S. Lyon to D. P. Honeywell, Dallas.

Lilith De Kol Artis, Molly De Kol, Nada Clothilde, G. M. & S. S. Lyon to J. G. Kerrick, Towanda.

Adventures Beauty De Kol, W. B. Smith & Son to Chas. E. Black, Pittsburg.

Crumhorn Lass 2d's Oneira, Jacob Todd, Jr., to Linford Michener, Colmer.

Korndyke Echo De Kol, B. F. James to H. G. Lake, So. Montrose.

Johanna Lilith De Kol, G. M. & S. S. Lyon to G. B. Shope, Saltillo.

Velma Niva Pauline, W. B. Smith & Son to H. C. Hartenbach, Monaca.

We Said, W. B. Smith & Son to H. C. Hartenbach, Monaca.

VERMONT.

Clothilde Aaggie Mercedes De Kol G. M. & S. S. Lyon to F. J. Schmaling, Peacham.

Johanna Colantha Clothilde, G. M. & S. S. Lyon to Frank J. Schmaling, Peacham.

Lady Katy Spofford, S. J. White to Chas. S. Smith, St. Johnsbury.

WISCONSIN.

Cherry Netherland De Kol, Little Bug Horn, Parson Beauty De Kol, Enoch J. Fargo to F. C. Kruse, Logansville.

Como Colantha, Egoistic 2d, Iolena Margaret, Kate Spray 3d, Kate Spray 4th, Little Fay, Marlow 2d, Matalie's Mercedes 3d, Miss Anthony, Never Again, Pauline De Colantha, Valencia De Kol, Velox Overlooper, Wait-A-Little, Yu-No Aaggie Johanna, W. B. Smith & Son to Geo. J. Schuster, Milwaukee.

Elza Anna Mechthilde, Johanna Posch De Kol, Mercedes Pontiac Cresy, A. L. Williams to Otto J. Lenn, Grand Rapids.

Gerben Johanna De Kol, Incus Pietertje Boelyn, Lady Gerben Boelyn, Fred Heil to C. F. Greenwood, Lake Mills.

Blossom Mechthilde, F. E. Dewitz to O. E. Sette, Juneau.

Esthre Mercedes 2d, John Erickson to Christensen Bros., Royalton.

Eva Mrcedes De Kol 2d, John Erickson to Christenden Bros., Royalton.

Netherland Daisy Hampden, F. J. Venie to E. J. Seibel, Watertown.

BULLS.

BRITISH COLUMBIA.

Ormsby De Kol Boy, John L. Smith to J. K. Hurry, Nelson.

CALIFORNIA.

Princess Captain of River Side, L. A. Hall to A. B. Kendall, Modesto.

Teake Lyons 3d's Butter Boy, L. A. Hall to D. Baldwin, Ceres.

COLORADO.

Kate Spray 5th's Bonheur Lad, W. B. Smith & Son to J. M. Kelsay, Rocky Ford.

CONNECTICUT.

Lovicia Beauty De Kal Dudke, G. L. & H. W. Wells to Geo. Hughes, Coventry.

Lovicia Beauty Major, G. L. & H. W. Wells to H. W. Wells, Wethersfield.

Sieberen Anson Lad, G. L. & H. W. Wells to H. W. Wells, Wethersfield.

Sieberen Anson Lad, G. L. & H. W. Wells to H. W. Wells, Wethersfield.

ILLINOIS.

Joe Natsey Baker Netherland, J. E. Mielke to R. E. Haeger, Algonquin.

Johanna Earl De Kol, A. J. Daugherity to Henry Kalmer, Albers.

Pauline Paul Sir Pietertje, W. L. Moore to John Bower, Olney.

Sir Aaggie Pietertje Johanna Lad, A. J. Daugherity to Henry Heckenkemper, Albers.

Sir De Kol Blossom, Frank Pratt to James Dorsey, Gilberts.

Sir Gazelle Pietertje Johanna, A. J. Daugherity to Frank Stewart, Fox.

IOWA.

Alcarta Sir De Kol, McKay Bros. to F. P. Harner, Waterloo.

KANSAS.

Duke Geertje Brightest Son, Geo. C. Mosher to S. E. Graham, Olathe.

Maryke Sir Netherland, C. F. Stone to F. D. Wiggins & Sons, Lawrence.

MAINE.

Manor Durkje Pietertje, B. W. Potter & Son to W. E. Closson, North Sedgwick.

MASSACHUSETTS.

Shepard Pietertje, Heron A. Comey to John M. Atwood, Jr., Mansfield.

Sir Henry Colanthus, M. T. Carrigan to Fred Raymond, So. Sudbury.

MICHIGAN.

Granger Pietertje, C. E. & A. L. Chandler to A. L. Chandler, Owosso.

Ianthe Sir Posch Chornita, I. M. Shorman to Andrew McGeachey, Grindstone City.

Sir Crescent Calamity, I. M. Shorman to J. C. Sterling, Monroe.

Sir Crescent Calamity Wayne, F. R. Crandall to I. M. Sherman and from I. M. Shorman to F. H. Chatterson, Caro.

MINNESOTA.

Duke De Kol Maplewood, L. D. Carlton to O. M. Jones, Havana.

Jewel Prince, George Winn to O. K. Benson, Blooming Prairie.

Sir Leda Inka Alcarta, McKay Bros. to Albert Von Lehe, Lesueur.

Sir Piebe Hengerveld Paul De Kol, E. J. Fargo to R. C. Blackmer, Albert Lea.

MISSOURI.

Sir Skylark De Kol De Jong, Geo. C. Mosher to Chas. O. Walker, Macon.

NEW HAMPSHIRE.

John Vernon Von Helingen, E. B. Pike to A. W. Bowles, Whitefield.

Sir Russell Clothilde, John C. Bartlett to G. W. Varney, Rochester.

NEW JERSEY.

Count De Kol Jarie, Jacob Todd, Jr., to A. H. Burroughs, Pennington.

Count Imperial Paul, N. F. Sholes to John S. Till, Allamuchy.

Johanna Count, Fred Brokaw to G. S. Amerman, Somerville, and from G. S. Amerman to A. A. Cortelyou, Somerville.

Johanna Rue Artis, C. L. Roberts to W. R. Dunbar, New Market.

NEW YORK.

Alida Gorter Duke, E. D. Clarke to S. W. Dennis, Greenwood.

Arcady Cornucopia Johanna Lad, E. E. Cady to E. B. Stephens, Canisteo.

Aylesbury Aaggie Cornucopia Paul, John Arfmann to DeWitt Newkirk, Howells.

Aylesbury Paul De Kol, John Arfmann to C. S. Wells, Goshen.

Aylesbury Queen Paul, John Arfmann to W. Wisner, Minisink.

Baron Aaggie Mechthilde, M. O. Sutton to S. N. Savage, Troupsburg.

Baron Netherland Clothilde De Kol, Walter Hasbrouck to W. V. Thomas, New Paltz.

Cornucopia Paul Alban, John Arfmann to E. L. Brooks, Washingtonville.

Count Clothilde Beets 2d, Alvin Franklin to H. Langworthy, Hamilton.

Count Tirania, O. U. Kellogg to C. M. Crouse, Syracuse.

De Jong Butter King, John Arfmann to Geo. Morrow, Walden.

De Kol Mercedes Roeltje, James R. Heodnett to Forrest M. Carpenter, Belmont.

De Kol Pietertje Prince Wayne, Ernest Russell to Wm. H. Farber, Parneveld.

Duke De Kol Hengerveld Burke, Jas. Leadingham to Clinton W. Contryman, Potsdam.

Duke of Almond, S. C. Whiteford to Delos Pace, Almond.

Ensenore Butter Boy, John Arfmann to C. L. Jessup, Florida.

Gaylord De Kol, Albert Olmsted to J. W. Gaylord, Manorkill.

Glencoe of Sunny Side, A. E. Helmer to F. E. Zimmer, Evans Mills.

Inka Clothilde Paul 2d, A. E. Helmer to J. H. Piercy, De Kalb Jct.

Johanna Lakeview, Byram L. Winters to Joslin Bros., Chemumg.

King Essie Aaggie De Kol, H. B. Baker to J. Harvey Thompson, Gouverneur.

Lord Decker Clothilde De Kol, Walter Hasbrouck to David Decker, New Paltz.

Lord Netherland Clothilde De Kol, Walter Hasbrouck to I. C. Barnes, New Paltz.

Mantel Johanna Lad, Geo. T. McNeil to P. J. Brewster, Antwerp.

Marcy King Segis, Laura M. Meyers to Stevens Bros., Hastings Co., Liverpool.

Nannette Mutual Paul, Frank Backman to Stevens Bros., Hastings Co., Liverpool.

Paul Aylesbury Dip, John Arfmann to F. H. Pierson, Otisville.

Paul Aylesbury, Witkop, John Arfmann to E. Hill, Stoney Ford.

Paul Cornucopia Clothilde, C. H. Warren to Dunn Bros., Verona Sta.

Paul Cornucopia Savoy, C. H. Warren to Dunn Bros., Verona Sta.

Paul Cornucopia Savoy, C. H. Warren to P. Agne, Verona.

Paul Toitilla, John Arfmann to M. R. Hawkins, Hampton.

Paul Veeman De Kol Terzool, Geo. H. Davis to John W. Wood, Marcy.

Paul Victor, F. S. Champlin to H. C. Goodwin, Almond.

Prince Korndyke Hengerveld Leila, G. T. McNeil to G. M. Dickhaut, Theresa.

Rebecca De Kol Count, E. M. West to Oscar W. Tefft, Greenwich.

Roel Steinser 4th, O. U. Kellogg to Kent Goodell, Cortland.

Sir Jennie Gertrude Johanna, J. L. Baltz to F. Favery, Chaumont.

Sir Mutual De Kol Aaggie, Geo. T. McNeil to John M. Wells, Three Mile Bay.

Sir Pauline Paul Aggie De Kol, H. L. Low to Jas. Upright, Rutsonville.

Sir Tennessee Concordia, J. L. Baltz to A. B. Miles, Philadelphia.

Tricksy Boy Calamity Hengerveld, H. H. Stickles to Geo. Van de Boe, Claverack.

Zozo Tula Butter King, A. H. Shaw to G. Morrissey, Walden.

OHIO.

Aaggie 3d's Wayne's Paul De Kol, A. C. Messenger to L. G. Richards & B. F. Rauwee, Burton.

Brookside Bonheur, W. B. Smith & Son to W. C. Walton, Hilliard.

Butter Boy Zwen De Kol, D. N. Myers to H. L. Stewart, Spencer.

Chestnut Ridge King, Albert Brown to S. E. McCorkle, and from S. E. McCorkle to Jay Hayden, Cortland.

Clyde Paul De Kol, W. B. Smith & Son to Derrer Bros., Camp Chase.

Count Gerster Spencer, Esther A. Horr to L. I. Crow, Spencer.

Pana 3d's Bonheur, W. B. Smith & Son to H. J. Cahilll, Peoria.

Paul Nudine Netherland De Kol, M. A. Weaver to David Stoffer, Homeworth.

Sir Clyde De Kol, W. B. Smith & Son to J. M. Kerr, Wellsville.

Sir Johanna Clothilde Colantha, W. B. Smith & Son to A. Emery, Zanesville.

Spring Brook Pietertje Posch, Albert Brown to C. J. Hedger, Garrettsville.

Wood March, W. B. Smith & Son to Jasper Smith, Elmwood.

Yu-No Calamity Paul, W. B. Smith & Son to S. H. Rosebraugh, Hebron.

ONTARIO.

Bonheur Statesman, W. B. Smith & Son to P. D. Ede, Oxford Center.

Count Calamity Wayne King, D. M. Parks to Henry Tilson & Robert Kilpatrick, Stella-Amherst Island.

Dewdrop Johanna Lad, W. B. Smith & Son to Geo. Rice, Tillsonburg.

Hengerveld De Kol Pontiac Aaggie, Mark B. Curdy to Samuel Elliot Tweed.

Korndyke King, Frank W. Ames to Fierheller Bros., Mt. Elgin.

Sir De Kol Clyde, W. B. Smith & Son to Geo. Rice, Tillsonburg.

OREGON.

Abbekerk Gerben Abbekerk, P. A. Frakes to H. M. Fleming & Son, Corvallis.

Hazelwood Natsey King De Kol, John L. Smith to B. R. Divelbiss, Lebanon.

Inka Lad Ormsby, John L. Smith to H. T. Goff, Salem.

PENNSYLVANIA.

Belva Johanna De Kol Lad, Lackawanna Breeders Ass'n., to Milo Stone, Waverly.

Earl Korndyke Wynola, Lackawanna Breeders' Ass'n., to Mullinex Bros., Dalton.

Major Clothilde, H. E. Ellsworth to P. H. Lyman, Tunkhannock.

President De Kol Romulus, A. H. Brice to L. W. Angood, Ulysses.

Sir Peter De Kol Yudid 2d, C. L. Hall to W. S. Smith & C. J. Thompson, Union City.

Wynola Count Artis Clothilde, B. F. Jones to W. C. Cruser, So. Montrose.

VERMONT.

Johanna Clothilde Lad De Kol, B. W. Potter & Son to W. G. Saunders, Greensboro.

Mercedes De Kol Mechthilde, W. M. Varney to W. S. Burkett, Ferrisburg.

Mt. Mansfield Lad, Vt. State Hospital toA. A. Pike, Stowe.

St. George, Vt. State Hospital to S. E. Hinsdale, St. George.

VIRGINIA.

Sir Abbekerk of Lindenwald, G. S. Loomis to T. O. Sandy, Burkville.

WASHINGTON.

Aaggie Gem Ormsby, John L. Smith to G. M. Dietrich, Fruitland.

Canary Butterfly Netherland, J. L. Smith to L. L. Goff, Littell.

Duke Butter Boy, Albert Johnson to Mrs. J. H. Giesy, Menlow.

Major Posch Ormsby, J. L. Smth to Jas. Moore, Hunters.

Paul De Kol Posch, J. L. Smith to F. Ostheller, Fairfield.

Posch Clothilde Prince, J. L. Smith to B. F. Richardson, Wilbur.

Sansation Natsey Baker, J. L. Smith to Jas. Carmen, Tyler.

Sir Natsey Baker 2d, J. L. Smith to Benj. Norman Spokane.

Sir Glencoe Jewel, P. A. Frakes to C. P. Dobler, Mendo.

WISCONSIN.

Admiral Frisco De Kol, E. J. Fargo to O. S. Reynolds, Lone Rock.

Cornelia Joe, Adrian G. Harter to Peter Schladweiler, Hartford.

Dora Sir Ormsby, H. A. Brace to O. B. Davis, Twin Bluffs.

Duke Beechwood De Kol Burke, Peter Hammen to J. F. Riemer, Fairwater.

Earl Parthenea Melchior, J. H. Dulmes to G. J. Dulmas, Oostburg.

Hicks Wa Careme, J. P. Brill, Jr., to Jake Oosterhous, Plymouth.

Joe Homestead De Kol, Adrian G. Harter to Monroe County Insane Asylum, Sparta.

King Prilly Pietertje, A. A. Hartshorn to W. J. Gillett, Rosendale.

Netherland Hampden Boy, F. J. Venie to E. J. Seibel, Watertown.

Paul De Kol Mechthilde Rijaneta, Martin Loftsgordon to Leonard Garfoot, Cross Plains.

Petunia Schultz Sir Aaggie, F. D. Gunderson to P. M. Sullivan, Mauston.

Prince Artis Mechthilde Duke, Henry Vanden Henvel to Thos. Wishart, Depere.

Prince Beechwood De Kol Burke, Peter Hammen to Geo. Stelter, Fairwater.

Sopoone Pietertje Lad, R. A. McLery to John Cooper, Whitewater.

Sidonie Mercedes Larkin, Emily J. Larkin to Thos. Condon, Hustisford.

Sir Johanna De Kol 4th's Mechthilde, G. W. Bates to Herman Schrieber, Plymouth.

Sir Primrose Schultz Aaggie, F. D. Gunderson to Wm. Hamilton, Flintville.

Sir Victoria Aaggie Schultz, F. D. Gunderson to S. A. Berry, Kilbourn.

Vevie Belmont, G. W. Hake to William Everson, Lake Mills.

Transfer List for the Week Ending May 25, 1907.

COWS.

ALABAMA.

Adrienne of Mt. Hermon, Mt. Hermon School to Dr. S. Kirkpatrick, Selma.

CALIFORNIA.

Contenta, Damisela, Electa E, Hermana A, Modesto Nydia, Modesto Zenobia, Dr. C. W. Evans to L. A. Hall, Modesto.

Calliope of San Martin, F. H. Burke to H. S. Hersman, San Martin.

Countess of Riverside, Chas. D. Pierce to Curtis H. Lindley, San Francisco.

Jennie of Riverside, Chas. D. Pierce to Curtis H. Lindley, San Francisco.

COLORADO.

Alma Snowflake, M. E. Moore to Hubert Work, M. D., Pueblo.

CONNECTICUT.

Manetta, Maple Lane 2d, B. K. Graves to Phelps Montgomery, New Haven.

Zanke Alpha De Kol, F. Mulliner to Theo. de Laporte and from Theo. de Laporte to J. W. Newton, Kent.

ILLINOIS.

Aaggie Cornucopia Pauline Maud, H. D. Rice to A. J. Daughrity, Streator.

Beechwood Helen, J. H. Coolidge & Son to L. L. Miller, Peoria.

Beechwood Sarah, J. H. Coolidge & Son to L. L. Miller, Peoria.

INDIANA.

Bana Gist Sosa, Birdy of Bombay, Gerster Ida Monk, Hesa Kuperus, Highland Phocis 2d, Highland Phocis 3d, Lula Belle Mechthilde, Paula of Chagrin Falls, Piersmarina Bell, Sue Stanley 2d, Verbelle Monk, from P. D. Reed to J. V. Shugart, Marion.

Berty De Kol Von Count, T. J. Jackson to Geo. Freese's Sons, Napanee.

Buckeye Lyons Renner, F. P. Sutliff to J. V. Shugart, Marion.

Claria Von Count De Kol, T. H. Jackson to Geo. Freese's Sons, Napanee.

IOWA.

Mercedes Gerben Mechthilde, John Mittman to F. H. Hawker, W. Liberty.

MAINE.

Barna Butter Belle, Est., E. L. Brown to Thomas H. Coffey, Brewer.

Independence Maid Butter Girl, G. H. Bass to M. L. Thompson, Jay.

Monmouth Girl, U. S. Emery to D. B. Wiley, Greene.

MARYLAND.

Ensor De Kol Calamity Jane, Wm. P. Morsell to Sam'l A. Ensor, New Windsor.

Mcoie Pauline De Kol, Wm. P. Morsell to Sam'l A. Ensor, New Windsor.

MASSACHUSETTS.

Aaggie Cornucopia of Dutchland, Alice Pietehtje Hartog De Kol, Annelda Hengerveld De Kol, Annelida Inka Princess, April Denver, Butter Boy Artis De Kol, Cadillac Queen 2d, Canary Calamity Countess, Changling, Changeling Grand Daughter, Christmas De Kol Maplecroft, Copia Hengerveld, Copia Hengerveld 2d's Princess, Copia Hengerveld 4th, Creamelle Vale, Dutchland Aaggie Grace Pietertje, Dutchland Beauty Hengerveld, Dutchland Belle, Dutchland Dora Hengerveld, Dutchland Hengerveld de Haan, Dutchland Maple Belle, Dutchland Mercena, Edith Prescott De Kol, Flora Pauline Foekje, Heegsma Pietertje Johanna 2d, Hengerveld De Kol Maid, Inka Princess Grand Daughter, Johanna Hengerveld de Haan, Kaatje DeBoer 2d, Kaatje Posch, Karel Belle, Katie Electa Princess, Korndyke Calliope, Lady Hijlaard Hengerveld De Kol, Lady Princess Beets, Latona Burke, Maple Grove Belle Pauline, May Beets De Kol, May Beets De Kol 3d, Mechthilde Beets De Kol, Mercena 2d, Mercena 3d, Mercena Schuiling, Patty Clothilde De Kol, Pietertje De Haan 2d's Queen, Pietertje Dinah, Pietertje Hengerveld Countess, Pietertje Maid Melisse, Pietertje Maid Mlisse 2d, Pontiac Beets Korndyke, Pontiac Calliope, Pontiac Duke, Pontiac Empress, Rag Apple Denver Burke, Ready Change, Rouble Pietertje Princess, Small Change, Snowball Clothilde 2d, Tidy Pauline Posch, Topsy Hengerveld De Kol, Topsy Hengerveld De Kol 2d, Welcome Lady Johanna, from F. F. Field to F. F. Field Holstein Co., Brockton.

Annie Schuiling, F. F. Field to F. F. Field Holstein Co., and from F. F. Field Holstein Co. to C. E. Collins, South Attleboro.

Inka Palawan, Bronson & Fitzgerald to Chas. Baxter, Grafton.

Netherland May Ideal, R. P. Wallace to H. A. Miller and from H. A. Miller to G. E. Jones, Concord.

MICHIGAN.

Aconeth Albino De Kol, W. K. Sexton to Chas. Wehnes, Howell.

Bell Ykema 3d, E. S. Sherrill to E. M. Starkweather, Northville.

Bleske Lady 2d, D. Owen Taft to Rogers Brothers, Addison.

Hattie Walelntje Calamity, W. K. Sexton to Fred Dickerson, Howell.

Houwtie Albino De Kol, W. K. Sexton to Chas. Wehnes, Howell.

Houwtje E. M. Wallentje Calamity, W. K. Sexton to Walter Haller, Howell.

Jantje Petrea Princess, Dan'l Anthony & Sons to N. G. Strong, Hudson.

Tolon Pietertje Burke Overlooper, D. Owen Taft to Rogers Bros., Addison.

MISSOURI.

Shadybrook Pietertje Johanna, Boyd Barr to B. L. Bean, Cameron.

NEW HAMSHIRE.

Aaggie Pride, Duchess Daisy, Freda De Kol, F. A. Knight Est. to H. A. Sterns, Rindge.

Aaggie Model, J. R. Ball to Wallace J. Blanchard and from Wallace J. Blanchard to A. F. Wesson, Lancaster.

Carrie De Kol, F. A. Knight Est. to H. P. Hale, Rindge.

Countess Clothilde of Vermont, F. A. Knight Est. to C. H. Thomas, Rindge.

Rhodes Beauty Alice, Canterbury Shakers to Chas. L. Chase, Gilmanton.

NEW JERSEY.

Mercedes Johanna Somerset, L. J. Fitzgerald to J. G. Drake, Somerville.

NEW YORK.

Bodora Pauline Pet, Cornucopia Pet, Inka Pet, Larky De Kol Pet, Nellie De Kol Pet, No Horns Pet, Pietertje Inka Pet, Pledge De Kol Pet, Pure Pet, Queen Lilith Beryl, Queen Pet De Kol Pietertje, Von Pet, R. E. Coe to W. E. Lamb, Hubbardsville.

Clothilde Beauty Pet, Grindetiv Lilith Beryl, Princess Wayne Aaggie Grace, Pure Ondit De Kol, Rose Lilith Beryl, R. E. Coe to A. J. Lamb & Langworthy, East Hamilton.

Lady Winana De Kol, Pidgeway De Kol, Winana Mercedes, Winana Pietertje Posch, C. W. Loomis to E. H. Dollar, Heuvelton.

Aaggie Netherland Carlotta A. F. E. Stevens to Frank Goodfellow, Fort Edward.

Aaggie Rose De Kol Calamity, A. H. Allen to A. S. Allen, Adams.

Akkrum Maid 2d, Frank Qua to E. W. Hills, Hartford.

Annie De Kol, Jarvis Bros. to H. C. Swartout, Hartwick Seminary.

Artis Rose De Kol, A. H. Allen to A. S. Allen, Adams.

Belle Lorine De Kol, Warren Newton to Chas. D. Stanard, Cazenovia.

Belle of Wayne, W. N. Atwood to Geo. W. Gibson, Canton.

Clover De Kol, Wm. Facey to Jonathan Wycoff, Navarino.

Copia Mercedes De Kol, W. N. Atwood to O. L. Barber, Canton.

Corona Spofford Clothilde, Est. Chas. C. Baldwin to Chas. Hunt, Delphi Falls.

De Kol Lol Lytle De Kol, F. C. Whiting to Byron Sherman, Busti.

Dichter Pietertje Paul De Kol, I. S. Jarvis to I. E. Lamb, Oneonta.

Donna Adele 2d's De Kol Butter Girl, W. R. Crandall to R. W. Dennis, Jasper.

Fenna Z 4th, Frank Qua to E. W. Hills, Hartford.

Floa Winnie, John Jaquay to Mrs. Amos Jaquay, Sherburne.

Inka Roxieann 2d, Henry S. Stark to Hezekiah Betsinger, Oneida.

Irma Irene, J. E. Fuller to C. D. Andrews, Camillus.

Jefferson Wayne Empress, F. D. Mather to Anson Miller, Adams.

Johanna Hartje De Kol, R. M. Howe to J. A. Leach, Marathon.

Johanna Pietertje Rue, W. J. Beck to Horace L. Bronson, Cortland.

Lilith Pauline Korndyke De Kol, W. N. Atwood to Jas. Bullis, Canton.

Lucy Netherland De Kol, Richard Langworthy to H. W. Partridge, Gerry.

Lyndon Hartog De Kol Lilly, G. D. Sherman to Ernest White, Syracuse.

Marble Green Netherland, W. N. Atwood to G. W. Gibson, Canton.

Maud Frisland, W. N. Atwood to T. H. & C. J. Barber, Eddy.

Melanie Beryl Wayne 2d, O. J. Godfrey to Wing R. Smith, Syracuse.

Mercedes Elvie De Kol Pietertje, H. A. Martin to R. E. Coe, Kirkville.

Nita Kathleen 2d, U. A. Jeffords to Sidney Marble, Chenango Forks.

Onyx Lady, Est. Chas. C. Baldwin to Chas. Hunt, Delphi Falls.

Pauline Daisy De Kol Concordia, Wm. Sweetland to Frank Givens, Dryden.

Princess De Kol Spofford 2d, E. H. Knapp to Chas. Dygert, So. Hammond.

Rosalind Jefferson Mink, F. D. Martin to Anson Miller, Adams.

Susie Petertje De Kol Paul, John Fox to M. S. Nye, Preble.

Udena Burke, J. S. Jerome to F. R. Hazard, Syracuse.

Wadmantj De Kol Wayne 2d, O. J. Godfrey to Wing R. Smith, Syracuse.

OHIO.

Aaggie Shelbark, L. B. Roice to F. P. Sutliff, Wellington.

Cold Spring Lula, G. W. Birrell to G. S. Allen, Kinsman.

Klondyke Maid 2d, G. D. Kellogg to G. W. Birrell, Kinsman.

May Queen Butter Girl, Ellen H. Ashcroft to Claude Carpentr, Strongsville.

Oakie De Como De Vries, E. E. Randall to Horace Kelley, W. Farmington.

Ophelia Stark, L. B. Roice to F. P. Sutliff, Wellington.

Percita Important De Kol, G. A. Giles to Dr. R. N. Smith, Chagrin Falls.

ONTARIO.

Bleske Calamity Jane, W. W. Gardner to D. Allen Back, Kingston.

PENNSYLVANIA.

Aaggie Bell Hendrik Rose, Aaggie Dulcina Sarah Abbekrk Clothilde Kate, Clothilde Vernon Bell, Thos. F. Collins to J. F. Melvin, Greenville.

Colantha Netherland De Kol, Eulalie Topsy Clothilde, Lady Pietertje Posch Cornucopia, Lipkje Prize, F. S. Wells to Mrs. W. F. Norris, Dimock.

Abbekerk Mechthilde Daisy, C. L. Kremer to A. C. Slifer, Lewisburg.

Abbekerk Netherland Daisy, C. L. Kremer to A. C. Slifer, Lewisburg.

Black Beauty De Kol Clothilde, H. E. Ellsworth to P. H. Lyman, Tunkhannock.

Elena De Kol, H. E. Ellsworth to P. H. Lyman, Tunkhannock.

Franchette Eeke, O. V. Dunlap Est. to Mrs. H. K. Dunlap, Tunkhannock.

Hulda Beauty 2d, J. G. Paxton to R. S. Caldwell, Hickory.

Jewel Mechthlide Daisy, Wm. H. Greenough to C. L. Kremer and from C. L. Kremer to William Suiter, Riverside.

Leona Pender 2d, W. A. Smith to Wm. Wylie, Houston.

Louise Pender 2d, W. A. Smith to Matthew Wylie, Cannonsburg.

Maryetta Pender 2d, W. A. Smith to Wm. Bane, Eighty-four.

Pearl Netherland Plum, C. L. Kremer to Wm. Suiter, Riverside.

Queen Schuiling, J. W. Welch to J. M. Quivy & Son, Houston.

VERMONT.

Alexander Clothilde De Kol, Roy A. Wells to G. M. Gould, Westminster West.

Beattie Withoorn De Kol 2d, S. R. Kendall to J. H. Mead, West Rutland.

Grace Spofford, E. H. Knapp to H. C. Guild, Rupert.

Molly Meadows Spofford, E. H. Knapp to H. C. Guild, Rupert.

WISCONSIN.

Aaggie Jewel Hengerveld, Aaggie Netherland Mercedes Maid, De Kol Pauline Tritomia, Viola Maid, F. E. Harriman to Wisc. Live Stock Ass'n., Appleton.

Astrea Clifden Mercedes De Kol, T. J. Barmore to David Thorpe, Juda.

Barbetta De Kol, Owen Mullen to A. C. Demerit & Son, Lake Mills.

Corona Clothilde De Kol, E. J. Fargo to H. P. Giddings, Shebovgan Falls.

Last Call, J. W. Hutchinson to Jacob F. Burbach, Cambria.

BULLS.

CALIFORNIA.

Chrystenah King De Kol, Charles J. Welsh to J. G. Nims, Newman.

Edgetown Hengerveld De Kol, Enoch J. Fargo to Leland Stanford, Jr., Stanford University.

Ignaro De Kol, C. W. Evans to L. A. Hall, Modesto.

Jetze Hengerveld of Riverside, Charles D. Pierce to Curtis H. Lindley, San Francisco.

Sir De Wit Hartog Paul De Kol, Charles J. Welsh to E. G. Miller, Dos Palos.

CONNECTICUT.

Count Wayne De Kol Aaggie, C. H. Weaver to W. O. Peck, Sharon.

Hubbard Pietertje De Kol, Connecticut Agricultural College to Chas. O. Dart, Rockville.

Prince Alexander Clothilde De Kol, Henry Clapp to F. L. Wright, Pomfret Center.

ILLINOIS.

Bonheur Pietertje De Kol, John J. Weir to Jesse W. Osborne, Butler.

Canary De Kol Pietertje, W. H. Sanborn to S. D. Todd, Nunda.

Canary Piebe Aaggie De Kol, W. H. Sanborn to Chas. Brellanthein, Richmond.

Sir Leonidas, P. J. Weter to J. E. Jones, Hebron.

Sir Spofford De Kol, M. S. Campbell to L. N. Irwin, Galesburg.

IOWA.

Black Cloud Phebe De Kol, Werner Tasher to H. F. Atwood, McIntire.

Iowa Boy, R. Bahren to R. Winkler, Monticello.

MAINE.

Aaggie Cornucopia Johanna King, M. S. Nye to C. L. Pike, Lubec.

Delmas, H. M. Gage to S. M. Webber, Brooks.

Ruby Queen Hengerveld Count De Kol, F. P. Knowles to Benj. Tucker, Norway.

Spring Brook Beets De Kol, J. W. Pike, Jr., & Co. to Loring Huckings, Trescott.

MASSACHUSETTS.

Captain Dexter, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Dutchland Belle Count, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Hengerveld Inka Beets, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Patty Pietertje Count, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Pietertje Schuiling (Twin), Fred F. Field to Ferd F. Field Holstein Co., Brockton.

Sir Echo Soldene Clothilde, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Sir Hengerveld Tehee, Fred F. Field to Fred F. Field Holstein Co., Brockton.

Duke Colantha Alossa, Northampton State Hospital to Dwight A. Ross, Florence.

Duke Johanna Clothilde, The Worcester Insane Hospital to J. L. Taylor, Grafton.

Dutchland Belle Count, Fred F. Field Holstein Co. to Est. of Chas. P. Whitin, Whitinsville.

Prince Albina De Kol, Herman S. Cheney to Alpheus E. Wright, Southbridge.

Sir Echo Soldene Clothilde, Fred F. Field Holstein Co. to Anna Wells, Palmer.

Sir Netherland Bloom, Northampton State Hospital to S. W. West, Hadley.

MEXICO.

Sir Korndyke Koningen De Kol, F. R. Hazard to Juan Gavito, Flalpam.

MICHIGAN.

Bennington Boy, Albert L. Chandler to James Byerly, Bennington.

Hengerveld Aaggie De Kol, Thos. J. Haines to S. F. Russell, Otsego.

Lenawee Genieve Victoria, Will Gallup to Geo. Harrison, Clayton.

Lenawee Huntess Victoria, Will Gallup to Will & Geo. Moore, Hudson.

Lenawee Prince De Kol, Will Gallup to August Fischer, Adrian.

Mutual Friend Von Count, T. H. Jackson to Wm. McCreeary, Schoolcraft.

Pontiac Camden De Kol, Eastern Michigan Asylum to B. R. Alward, Camden.

Sir Hattie Calamity, W. K. Sexton to John L. Hubbard, Waterloo.

Sir Houwtje De Kol Butter Boy, W. K. Sexton to Frank Wessinger, Howell.

Sir Houwtje Calamity Wayne, S. H. Munsell to I. M. Shorman, and from I. M. Shorman to Geo. W. Brown, Hubbardstown.

Sir Prince Houwtje, N. G. Strong to H. D. House, Jackson.

Sir Wallentje Calamity, W. K. Sexton to E. F. Paterson, Applegate.

MINNESOTA.

De Kol Piebe Burke, Nelson Brothers to John Lorbet, Hector.

Duke Salo Natsy De Kol, W. G. Kruse, to W. S. Moscrip, North St. Paul.

Duke Salo Natsey De Kol, W. S. Moscrip to Anton Thorson, Wilmar.

Inka Van Beers De Kol, Theo. Filk to Alfred Bonniwell, Hutchinson.

Sir Colantha Laddie, G. L. Miller to Hans Gulbransen, Grand Marais

Spring Brook Chief De Kol, Joel P. Heatwole to F. A. Emery, Northfield.

Spring Brook, Elliston De Kol, Joel P. Heatwole to W. T. Gill, Northfield.

Spring Brook Sir De Kol, Joel P. Heatwole to H. H. Helberg, Northfield.

MISSOURI.

Sir Paul Beets De Kol Wayne, Geo. S. Loomis to Stevens Bros. Hastings Co., and from Stevens Bros. Hastings Co., to Casper A. Grantz, King City.

NEW HAMPSHIRE.

Duke of Hillsboro, Frank C. Grimes to Geo. E. Wyman, Hillboro Bridge.

Duke of Hillboro, Geo. E. Wyman to Thomas E. Barr, Bedford.

Gilmanton Banjo, Canterbury Shakers to Chas. L. Chase, Gilmanton.

Prduence Lincoln Butter King, Moses H. Chickering to Warren Puffer, Wares Ferry.

Sir Korndyke De Kol Prince, F. H. Rivenburgh to Rivenburgh Bros., and from Rivenburgh Bros. to C. P. Berry, West Barrington.

Sir Teddy De Kol, Thomas E. Barr to B. F. Lang, Canada.

Victor of Tullyvies, Graham F. Blandy to J. F. Andrews, Sugar Hill.

NEW JERSEY.

Cassie De Kol Count, John H. Wilson to George E. Britton, Copper Hill.

NEW YORK.

Aaggie Cornucopia De Kol Alban, Gardner & Misner to Ernest H. A. Keil, Liberty.

Aaltje Salo Mercedes De Kol Prince 2d, O. J. Godfrey to Wilson & DeWolf, Philadelphia.

Artis Segis De Kol, E. W. Ecker to Chas. Manheart, Stockton.

Baron Netherland 5th, R. C. Collis to Irving Tuttle & Son, Oneida.

Bonnie Lad of Rifton, J. W. Diminck to Thomas Martin, Nemburgh.

Burke Withoorn, F. E. Stevens to Frank Sheldon, Fort Ann.

Butter Boy, Artis De Kol, J. H. Clark to Alex Decker, Pine Bush.

Butter Boy De Kol Prince 2d, F. A. Whitwood to Will Claire, Friendship.

Cesar Wilkje Johanna Lad, Alton Miller to A. W. Fake, Fort Plain.

Charm Paul King, F. C. Overton to Seward Thomas, Adams.

Count Chesterfield De Kol, Arthur E. Ames to Julian H. Waite, West Stockholm.

Crown Hengerveld Korndyke De Kol, Allen Barr to Geo. P. Ball, Berkshire.

De Kol Pietertje White Tail, J. A. Russell to G. Jones, Cold Brook.

Echo Mechthilde De Kol Paul, Jas. Mansfield to Floid Greene, Andover.

Hillside Baron, W. F. Liddle to Hager Richard, Cobleskill.

Imperial Echo, A. Kilbury & Son to J. B. Ferry, Hornell.

Inka Korndyke Boy, F. C. Overton to C. D. Collins, Adams.

Jacoba Daisy De Kol, F. E. Stevens to Wm. Kingsley, Corinth.

Lilith Lichsome, F. E. Stevens to Truman Ingalsbe, Fort Edward.

Mutual Paul Echo Mechthilde, J. W. Greene to R. W. Dennis, Jasper.

Onyx De Kol Burke, Charles C. Baldwin Est. to W. E. Swan, Canastota.

Pasha Lyons De Kol, H. S. Sissons to D. L. Wood, Wales Center.

Paul Beets De Kol Jud, D. M. White to Jud H. Burt, Elmira.

Paul De Kol Withoorn, H. C. Guild to Alfred A. Rogers, Salem.

Pauline Sir Johanna, Fred J. Per Lee to E. S. Carrier, Cortland.

Paul Pauline Clothilde De Kol, P. B. McLennan to Wm. McCarthy, Addison.

Paxton Lad, J. W. Dimick to G. E. Brandow, Roxbury.

Pietertje Aaggie De Kol, J. W. Dimick to B. W. Bull, Stony Ford.

Pietje Friens Lad, J. W. Dimick to Jesse Bull, Oxford Depot.

Pontiff Ankor Lad, J. W. Dimick to T. K. McVoy, Montgomery.

Prince Artaur De Kol Spofford, Maurice Quinn to Wm. Casey, Preston.

Prince Burke Spofford, E. H. Knapp to Crenebaugh & Lahner, Fabius.

Prince Burton De Kol, L. B. Gildersleeve, W. B. Selleck, Huntington.

Prince Kiatta Mercedes De Kol, O. J. Godfrey to Frank Brill, Malone.

Prince Korndyke De Kol Beta, E. H. Marshall to E. K. Burnham, Newark.

Prince Mead De Kol 2d, Hanna P. Brousseau to Mrs. Smith Van Hosen, Niverill.

Quincy De Kol, R. B. McGregor to Fred Shepard, Lawrenceville.

Rouble Pietertje De Kol Count, Alice E. Pendergast, to W. H. Carrier, Phoenix.

Salo Korndyke Mercedes De Kol, J. A. Stanton to C. A. Hunt De Ruyter.

Sir America De Kol Rik, Stanton Osterhout to Ford C. Mickle, Cobleskill.

Sir Clintonia Gorter, Hartrum & Bloss to F. W. Conrade, Andover.

Sir Jarie Pansy Pietertje, G. T. Tuckerman to T. E. Lewis, Cassville.

Sir Jessie Ann Paul De Kol, J. D. Ferguson to Joseph Willis, Deerfield.

Sir Johanna Star De Kol, F. D. Mather to A. L. Heminway, DeKalb Junction.

Sir Klaver Burke, H. H. Waite to Henry Stevens & Son, Lacona.

Sir Korndyke De Kol Pietertje, Rivenburgh Bros. to T. F. Brophy, Oneida.

Sir Nicolo Valo Johanna De Kol, F. D. Mather to F. W. Bent, Antwerp.

Sir Spofford Burke, Chas. Hunt to G. DeForest Hunt & Co., New Centerville.

Sir Rose De Kol, A. H. Allen to A. S. Allen, Adams.

Sir Twinda De Kol, T. A. Mitchell to Willis Cornell, Baldwinsville.

Sunland De Kol, F. E. Isham to W. Wyman, Rodman.

Sir Woodland Netherland De Kol, L. E. Dean to F. W. Davis, Sherman.

Vera Pietertje Count De Kol, W. P. Mayhugh to O. J. Godfrey, Pennellville.

Vera Pietertje Count De Kol, O. J. Godfrey to Arden Farms Dairy Co., Arden.

Wadmantje King De Kol, O. J. Godfrey to Edwin Wilson, Philadelphia.

Wayne Netherland De Kol Prince, E. E. Myers to S. McElwain, Conewango Valley.

Woodcrest Clothilde Aaggie, J. W. Dimick to William Strain, Johnson.

Woodcrest Nig De Kol, J. W. Dimick to Davis Brothers, Clifford.

Woodcrest Tryntje Lad De Kol, J. W. Dimick to Harley Smith, Chester.

OHIO.

Butter Boy Kenilworth Duke, Mrs. Emma Prior to W. C. Ward, William field.

Clementine Lass De Kol Count, Floyd M. Pelton to Geo. E. Ring, Martins Ferry.

Prince Bellewood De Kol, Esther A. Horr to Anson Hyde, Sullivan.

Rhaitgondis Mercedes De Kol, T. T. Goodyear to S. Baron, Hornerville.

Ryal Jasamine De Kol, Jarvis Brothers to Thomson Farms Co., Toledo.

Shelbark Kink, Roice & Yoxtheimer to J. C. Smith, Castalia.

Uncle Sam Armajo, Miller Farms Co. to Spring Hill Dairy, Massillon.

Zala 2d's Pietertje De Kol, C. C. Briggs to C. F. Sawyer, Kent.

Zal 2d's Pietertje De Kol, C. F. Sawyer to J. P. Sutliff, Wellington.

PENNSYLVANIA.

Alwina Prince, Philip Tenbrook to Clarence Staats, Perwyn.

Barnett Pauline De Kol Duke, W. M. Benninger to Geo. W. Barnett, Three Springs.

Blue Ridge Pietertje De Kol, Fred Dixon to W. M. Benniger, Pennigers.

Brightest Vale Canary, E. C. Brill to Wm. J. Fairchild, Berwick.

De Kol Beets, T. A. Mitchell to Chas. S. Block, Pittsburg.

Farmstead Echo Mechthilde, F. S. Wells to J. E. Florence, Hillstead.

Grover Abbekerk, F. C. Hart to J. H. Soety, McKean.

Netherland Koopal De Kol 2d, E. B. Spencer to George Graham, Lawrenceville.

Wayne Artis Aaggie Abbekerk Boy, W. M. Benniger to James K. Zugs, Chambersburg.

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Duke of Whitingham, F. L. Houghton to W. H. Stowe, Wilmington.

Duke of Whitingham, W. H. Stowe to Chas. S. Goodnow, Whitingham.

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Hengerveld Inka Beets, Fred F. Field Holstein Co., to S. E. Harwood, Bennington.

Pontiac Rhadamathus, Eastern Michigan Asylum to H. C. Guild, Rupert.

(Continued in next Issue.)

GREENWOOD HERD HOLSTEINS.

At the head of this herd is one of the greatest sires of the breed, PRINCE YBMA SPOFFORD, whose dam and Sire's dam average 28.20 lbs. butter each in 7 days, A. R. O.. their average daily milk record, 97 lbs. each and over 88 lbs. per day for 30 day.

YBMA 3d's PLEDGE CLOTHILDE

A. R. O. Record at 3 years
457.5 lbs. milk, 20.25 lbs. butter in 7 days;
At 5 years.
637.20 lbs. milk, 25.17 lbs. butter in 7 days,
2672.00 " " 102.68 " " 30 days;
At 7 years (just made.)
643.9 lbs. milk, 30.38 lbs. butter in 7 days,
2629.3 " " 121.34 " " " 30 days.

Home of Prince Ybma Spofford and his Dam, Ybma 3d's Pledge Clothilde.

643.9 lbs milk, 30.38 lbs. butter } in 7 days 2629.3 lbs. milk, 121.34 lbs. butter } in 30 days

In the last two reports by the Superintendent of Advanced Registry you will note that 11 from this herd average 3.71% fat in A. R. O. tests, 10 of the 11 average over 20 lbs. butter each in 7 days. The other one made a World's Record at 1 year, 11 months, 14 days old, 10 months after calving, of

279.2 lbs. milk, 13.35 lbs. butter } in 7 days 1197.2 lbs. milk, 56.22 lbs. butter } in 30 days

No better Holsteins on Earth

We have a few head of choice young animals for sale sired by PRINCE YBMA SPOFFORD. But few breeders have stock to offer whose sire's dam has a 30 lb. record.

Write or come and see if you want the best. Send for illustrated folder.

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DAM'S RECORD 19.361 POUNDS FAT

Kind, gentle and sure, and 60 per Cent of his get are heifers.
Bull born January 27, 1907, Dam's record 16.961 lbs. fat. Bull born February 13, 1907, Dam's record 19.361 lbs fat. Bull born March 14, 1907, Dam untested on account of bad quarter which she lost; a large producer. His G. D. a 90 lb. cow.
These bulls are fine individuals and will be sold right.

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Great bargains in all ages and both sexes including some of the **richest bred young bulls of the breed.**

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Our cows are now just beginning to freshen and we expect to test and retest them as fast as they are in condition. We *shall sell* all our bull calves, a few heifer calves and 25 A. R. O. cows. Our aim is to make our prices correspond with cattle selected. We invite Inspection.

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For sale at
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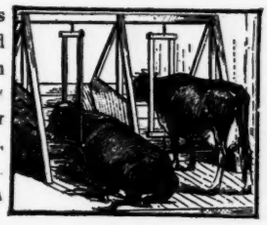

THE stanchion you shipped us on October 10th was put up longside of several other samples, and studied closely ever since. On the first day it was plain to all of us that everything considered yours was one o' the best, and we intend to use them when we build our new barn next year. CLOVERLAND DAIRY FARM, Ltd., New Orleans, La.

They have since bought 132 stanchions for the new barn. **WALLACE B. CRUMB,**

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HOLSTEINS WANTED:—

I want 50 head of registered Holstein females of all ages. Heifers preferred. Not particular about A. R. O. records. But stock must be sound. State price and give full description as to age and breeding in first letter. I pay cash and prefer to buy in car load lots.

BUYER. Care of H.-F. World.

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Bees, Beeswax and Honey. A. R. O. Holstein-Friesians of the choicest families—Mechthildes, Johannas, Aaggies, Paul De Kols, Tritomias and Ormsbys. Write wants, or better, come and see.

N. A. KLUCK, Lena, Ill., R. 4.

HILLCREST FARM HOLSTEINS.

30 A. R. O. Cows in the Herd

10 of the family of the champion cow, Colantha 4th's Johanna. Senior Bull, Prince Inka Pietertje De Kol 2d; has 21 A. R. O. daughters.

Junior Bull, Hillcrest Sarcastic Ladd, has 25 A. R. O sisters. Some grand bull calves for sale. Send for catalogue.

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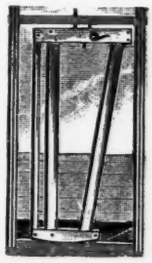

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First, we carry the largest stock.
Second, we carry the best stock.
Third, our prices are lower.
Fourth, we have satisfied our customers.

Not what we say to other people, but what other people say of us.

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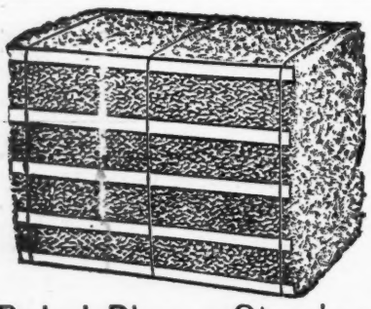

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BRED TO "SIR JOLIE JOHANNA"

whose dam, sires dam, G. dam and G. G. dam have 7 day official butter records, averaging 24.97 pounds. None less than 24.6 pounds. Average official daily milk records 88.28 pounds. Also one very fine 9 month bull calf, dam a 25 pound cow.

I hope to sell the above by July 10th.

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FAYETTE, OHIO FULTON COUNTY

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Offers three Bull Calves.

No. 1 born February 7th, 1907, dam, Princes Leo Netherland. 26.02 lbs. butter 7 days; 15.86 lbs. butter 7 days at 4½ years, 292 days after calving. Largest 8 month record for age. Dam of 3 A. R. O. daughters.

No. 2 born October 19th, 1906, dam Mercedes Kiatta Antje 22.39 lbs. butter at 5 years. Also grandson of same cow, whose dam has 15.99 lbs. butter at 3 years, 15 days. Their sire is Aaltje Salo Mercedes De Kol Prince No. 39357 whose dam and sires dam have records above 25¼ lbs. each, at 4 years.

O. J. Godfrey & Co., Pennellville, Oswego Co., N. Y.

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All orders promptly forwarded. Complete line of Fruits and Ornamental Trees, Roses, Shrubs, Bulbs, etc. New varieties a specialty. Agents wanted. Permanent employment. Address GRAHAM NURSERY CO., Rochester, N. Y.

WANTED, IMMEDIATELY,
Registered, Holstein Cows due to freshen within the next three months. Will pay cash. Write today.
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PIERREPONT MANOR, N. Y.

We are offering for sale **Belle Korndyke Beryl Wayne,** 19 daughters at 2 and 3 years, average per cent. fat, 3.84. We own 60 of his daughters. He is right sure and kind.

W. H. GRENELL, Owner MATT J. HUGGINS, Supt.

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Home of the famous LORD NETHERLAND DE KOL, sire of 67 A. R. O daughters. Several with records over 20 lbs. and many averaging over 4% butter fat. Lord Netherland De Kol is the best bred gre at sire and will soon be the leading A. R. O. sire. In all respects he is demonstrating a royal inheritance which his sons and daughters will continue to perpetuate. We have a few sons of Lord Netherland De Kol out of highly bred A. R. O. cows at reasonabie prices.

BRILL FARM BROADWAY, N. J.

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Offers the blood of **Sir Johanna Rue De Kol 31387,** whose full sister holds the world's A. R. O. record for heifer under 2½ years old. She produced 22.6 lbs. butter in 7 days; milk averaged 4.17% fat.

Write stating just what is wanted.

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CROWN HERD.

I now offer a very fine bull calf, five months old, more black than white nicely marked and a good handler in every way. His dam has an A. R. O. record of 16.02 lbs. butter made at 9 years. She is now 15 years old. Has given over 4,800 lbs. of milk in 4 months. Calf's sire Homestead Hengerveld Crown De Kol, No. 26345.

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Woodcrest Farm Herd of Holstein-Friesians.

SIRES IN SERVICE.

Homestead Girl De Kol's Sarcastic Lad No. 32558; dam Homestead Girl De Kol, A. R. O. record 26.29 lbs. butter in seven days, her milk averaging 3.94 per cent. fat.

Pietje 22nd's Woodcrest Lad No. 39849. The dam of this bull is the great imported cow Pietje 22nd, No. 70884; seven day record, 673-9 lbs. milk, 31-62 lbs. butter; 30 day record 2786-4 lb.: milk, 128-38 lbs. butter; one hundred and twenty days, 9291-5 lbs milk, 395-38 lbs. butter; six months record, 13,673-9 lbs. milk, 566-60 lbs. butter.

We have a few choice young A. R. O. cows for sale bred to above sires; also bull calves and young bulls ready for service from A. R. O. dams with records of twenty pounds and better.

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Offers for Sale at a Bargain. Three large, young Holstein-Friesian Cows; two due to freshen in June, one of them in A. R. Also richly bred bull calves from two weeks to eight months old.

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I now offer both,

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Also a son of a 20 lb. cow ready for immediate use. Prices right.

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Buy 10 Cows

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We will sell fashionably bred registered cows and heifers and save you 50 per cent. Must have the room. Write at once.

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